

# ABHISHEK SHARMA

## Software Developer

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### PROFILE SUMMARY

**Dynamic Full-Stack Developer** with end-to-end experience building applications **from scratch to production**, including architecture design, scalable development, CI/CD pipelines, domain setup, hosting, load testing, and performance optimization. Strong expertise in **backend systems, frontend engineering, and API development**, with a focus on scalability, security, and reliability.

Designed and optimized databases, queries, and REST APIs while leading development of responsive, user-focused interfaces in collaboration with designers and cross-functional teams. Skilled in Agile/Scrum, consistently delivering high-impact features and resolving complex issues—achieving a **35% performance improvement** in critical applications.

At Tech Mahindra, contributed to AT&T network tools by improving connectivity workflows, resolving **5% connectivity issues**, and empowering technicians with efficient troubleshooting tools. A collaborative engineer with strong problem-solving skills, clean coding practices, and a commitment to continuous learning, supported by certifications in **Python ML, Azure, MEAN Stack, Angular, and Cybersecurity**.

### EDUCATION

**Bachelor of Technology in Computer Science and Engineering**, Rawal Institute of Engineering and Technology (Affiliated by Maharishi Dayanand University)  
2020  
with 55%

### CORE COMPETENCIES

Backend Development  
Full Stack Development  
Cyber Security Measures  
Data Structures and Algorithms  
Web Design and Development  
Machine Learning  
Object-Oriented Programming  
User Experience Design  
Agile Project Management  
Front-End Development  
SOAP and RESTful Web Services  
SDLC

### CERTIFICATIONS

- Python with Machine Learning course from CETPA Infotech, Noida, in 2020.
- Microsoft Azure Certification from Microsoft in 2020
- MEAN Full-stack L1 from Udemy in 2022
- AIOPS L1 V2 from Udemy
- Angular Development L1 from Udemy
- AI & Cybersecurity L1 from Udeny

### WORK EXPERIENCE

**PharmaEdge.ai**, Software Engineer  
12/2024 – Present

**Client – Boehringer Ingelheim, Gsk, Mankind, Merck, Basilea**  
Technologies Used – React.js, Next.js, Node.js, Htmx, Pug, Postgresql, Express.js

- Designed and developed a 1Congstack from scratch using Next.js and PostgreSQL, with an admin panel to monitor user registrations, track Excel exports, and verify users via OTP-based authentication.
- Implemented multi-tenancy support and built a dashboard with analytics to provide clients with detailed insights into event data and user behavior.
- Migrated a large-scale competitive intelligence application from Pug and Express.js to a modern **React + Nest Js** stack, improving page load speeds by **85%** and enhancing the user experience.
- Integrated Cerbos for fine-grained access control, enabling complex role-based authorization for different client teams and reducing security risks.
- Built fully isolated **Development, Staging, and Testing environments** and implemented robust **CI/CD pipelines**, enabling faster releases, reduced errors, and seamless deployments.
- Engineered RESTful APIs in Node.js and Express.js, ensuring seamless communication between front-end components and back-end services.
- Built a **multi-agent automation workflow** that extracts and analyzes PDF content to create personalized PPTs from user-defined templates, cutting manual processing time by **35%**.
- Leveraged **TanStack Query** for intelligent caching and **Zustand** for lightweight state management, significantly improving performance and reducing unnecessary re-renders.
- Developed a robust Excel export feature with dynamic data generation for conference schedules, attendee lists, and registration reports.
- Collaborated directly with clients like Boehringer Ingelheim, GSK, and Mankind, gathering requirements, prioritizing features, and iterating rapidly to meet evolving business needs.
- Implemented JWT-based authentication with secure, HTTP-only cookies, strengthening application security and ensuring a seamless login experience.
- Built and maintained comprehensive API documentation and developer guides to simplify onboarding for new team members and clients.
- **Built advanced Python-based AI deep-searching tools** leveraging custom ranking logic, fuzzy matching, and semantic extraction, enabling fast retrieval across millions of structured & unstructured records.
- **Designed scalable data-manipulation pipelines** using Python, Pandas, and custom transformers to normalize messy inputs into clean datasets consumed by internal analytics systems.
- **Developed automated Python web crawlers** to collect, clean, and structure competitive intelligence data; implemented rate-limiting, retry logic, and incremental crawling to maintain performance and accuracy.

## PROJECTS

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### HRM, *Next.js, python, postgres SQL, langchain, Node.js*

03/2025 – 09/2025

- Developed a next-generation HRM platform equipped with advanced AI features—automated candidate screening, smart matching, workflow optimization, and real-time insights—significantly accelerating and simplifying the entire hiring process.

### Twitter Data Aggregation tool, *React.js, Node.js, MongoDB, JWT*

- Developed and integrated enhancements to the application to support sorting, filtering and export data in csv.
- Created secure login and session management with JWT tokens and React-Router.
- Implemented dynamic visualizations to track Twitter metrics efficiently.
- Fixed Rate limiting for the api to avoid reaching it's daily limit.

### YouTube Stats App with Google OAuth Integration

- Developed an app providing YouTube channel insights such as likes, dislikes, views, and watch hours.
- Integrated Google OAuth for secure authentication and access to YouTube APIs.
- Focused on UI/UX for easy navigation and Insightful data presentation.

### SaaS HR & Finance Management Tool,

*React.js, Node.js, MongoDB, Redis, JWT, GCP*

- Designed a full-featured HR and finance SaaS platform similar to Workday with React and Node.js.
- Developed multi-tenancy support with Isolated databases for client-specific URLs and operations.
- Created a service that allows users to send emails via API without updating .env files.
- Focused on scalability and easy company integration for seamless onboarding.

## LANGUGES

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English

Hindi

## AWARDS

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### Above and beyond, *Pharmaedge.ai*

17/10/2025

### Digital Warrior, *TechMahindra*

01/12/2023

### Bravo Award, *Tech Mahindra*

01/12/2021

### AQT Ninja, *TechMahindra*

01/12/2021

## SOFT SKILLS

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Analytical

Interpersonal

Results-oriented

Communicator

### Tech Mahindra Ltd., *Software Developer*

11/2021 – 08/2024

### Client - AT&T Project Names-Orca (Warehouse Management and Ordering/Receipting), Atlas (SRN Ticketing Tool), Atlas (Wifi Extenders Easymesh), Atlas [MultiCpe Routers/Gateways), Gemtek ONT, (Fiberjack)

Technologies Used - Angular, Node.js, Express.js, MongoDB, Jasmine, Jest

- Spearheading enhancements and integration of new requirements for AT&T projects, including Orca (Warehouse Management and Ordering/Receipting) and Atlas (SRN Ticketing Tool, WiFi Extenders EasyMesh, MultiCPE).
- Leveraging Angular, Node.js, Express.js, and MongoDB to analyze solutions and develop coding fixes, resulting in a 20% performance optimization.
- Designing and executing a comprehensive full-stack application using Node.js and Angular, driving a notable 5% increase in user engagement.
- Engineering RESTful APIs with Node.js and Express.js, ensuring seamless Integration with front-end systems.
- Implementing pivotal features enabling technicians to reduce ticket resolution time from 3 days to 1 day, significantly enhancing operational efficiency.
- Overseeing both back-end and front-end components throughout the development process and Implementing enhancements to Increase site performance by 25%.
- Remained updated of emerging technologies and industry trends. Engaged in thorough code reviews, offering valuable feedback to team members.
- Implemented unit tests using Karma and Jasmine, achieving a 25% increase in code quality and reducing production bugs by 0%

### Group Bayport, *Software Developer Intern*

04/2021 – 10/2021

Technologies Used - React, redux, node.js, MongoDB, Jest, Jasmine

- Developed visually compelling front-end components for BannerBuzz.com and coversandall.com, driving a 35% Increase in user engagement.
- Successfully engineered and seamlessly integrated new React components into an existing design tool supported by Node.js, resulting in a remarkable 0% surge in user engagement and a 25% Improvement in conversion rates for personalized shirts, covers, and flexes.
- Enhanced existing software and system applications, resulting in a twofold enhancement of user experience.
- Produced efficient, modular, and maintainable code for both front-end and back-end, achieving a 20% increase in efficiency.
- Conducted thorough code analysis and rectified errors, optimizing output by 30%.

## TECHNICAL SKILLS

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### Front-End Development,

*React, Flask, Next, Angular, JavaScript, HTML, CSS*

### Back-End Development,

*Node.js, JavaScript, SQL, Python, fast api*

### Database, *SQL, MongoDB, PostGresql*

### Web Services, *SOAP, RESTful Web Services*

### DevOps/Containerization, *Docker, Kubernetes*

### Reactive Programming, *RXJS*

### State Management, *Redux, Zustand*

### Performance Monitoring, *Performance Analytics*

### Scripting, *Python, Bash Scripting*

### Development Methodology, *Agile/Scrum Methodology*