

# Abhinay Chauhan

Software Engineer | AI/ML

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## EDUCATION

### Army Institute of Technology, Pune

Bachelor of Engineering (B.E.) in Computer Engineering

8.8 CGPA

2016 - 2020

### Kendriya Vidyalaya, IIT Kanpur

91%

Senior Secondary

2014 - 2015

## TECHNICAL SKILLS

**Programming Languages:** Java, C#, Python

**Libraries and Tools:** Spring Boot, .Net, Azure, AWS, Git, Kafka, React, Docker

**AI & ML:** OpenAI, LLM, GenAI, RAG

**Other:** REST Api, GraphQL, SQL, NoSQL

## WORK EXPERIENCE

### Software Engineer 2

May 2024 - Present

Microsoft, Bangalore

Technologies: C#, Azure, React, .Net, OpenAI

- **Designed and developed a Windows Test Technology platform** from the ground up to evaluate test determinism, security, and modernization—enabling thousands of developers and indirectly supporting 6+ billion Windows OS users.
- **Boosted system performance by 50%** by consolidating multiple cluster databases into a unified model with Azure Data Factory, reducing complexity and significantly improving page load times.
- **Elevated password detection accuracy 10x** by replacing regex-based validation with an AI-driven LLM solution, drastically reducing false positives/negatives and improving developer productivity and trust in test results.
- **Developed an Automated Quarantine Service** to detect and isolate insecure tests (e.g., plain-text passwords), strengthening security across the Windows testing ecosystem.

### Software Engineer 2

June 2023 - May 2024

Triplelift, Pune

Technologies: Java, Spring Boot, GHA

- Engineered and optimized microservices (Java, Spring Boot, GraphQL) to improve API response times by 20%, while integrating Auth0-based authentication to enhance security posture and reduce risks by 30%.
- Automated CI/CD pipelines with GitHub Actions, cutting deployment time by 40% and ensuring reliable, high-quality releases across multiple services.

### Software Engineer

June 2021 - July 2023

Credit Suisse, Pune

Technologies: Java, Spring Boot

- Refactored the Securities Confirmations monolith into microservices, enhancing scalability, maintainability, and enabling streamlined downstream integrations via REST APIs.
- Automated trade workflows (affirmations, chasing emails, document validation APIs) using Spring Boot, eliminating 2.7 FTEs of manual effort and significantly improving trade settlement accuracy.

### Software Engineer

Oct 2020 - June 2021

DBS Bank, Hyd

Technologies: Node.js, React

- Developed REST APIs in Node.js with React integration, built Agile workflow charts using JIRA APIs, and enhanced SDLC expertise with Agile practices and Swagger documentation.

## PROJECTS

- **Progress AI (Java, Spring Boot, OpenAI APIs, React):** Designed and implemented an AI-powered goal tracking application using Java Spring Boot and OpenAI function calling, returning structured responses for automated progress monitoring [GitHub](#)
- **TO-DO-and-Video-Call-App (Java, Spring Boot, Angular):** Engineered a real-time TO-DO & Video Collaboration platform, integrating OTP authentication and WebSocket-based video calling for seamless teamwork. [Github](#)
- **On-Call AI (OpenAI APIs, Azure):** Developed an AI-powered incident analysis tool that assists on-call developers by automatically parsing logs and correlating with past incidents to accelerate root cause identification and resolution.

## AWARDS & ACHIEVEMENTS

- **Microsoft Hackathon Winner - 2024** in Microsoft - Oct 2024 [Certificate](#)
- **Engineering Excellence Award** in Microsoft - Feb 2025