

Ujjwal

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SUMMARY

Software Engineer at FICO, experienced in backend development, microservices modernization, DevOps, automations & AI-driven solutions. Skilled in designing scalable systems, streamlining deployment pipelines, and leading innovation initiatives to improve reliability and developer efficiency.

EDUCATION

M.Tech. in Artificial Intelligence & Machine Learning	BITS Pilani • 2025 (Ongoing)
Bachelor of Engineering in Computer Science • CGPA: 9.87	Chitkara University • 2020 – 2024
Foundational Level in Programming and Data Science	IIT Madras • 2021

Experience

Software Engineering-Engineer I FICO, Bangalore Full Time	June 2025- Present
Contributed to platform modernization, automations, and security optimization across multiple modules.	
<ul style="list-style-type: none">• Worked on Blue-Green Deployment Strategy using Argo Rollouts and Flagger for zero-downtime StatefulSet releases.• Worked on gRPC modernization by creating ServerInterceptors for exception handling, IAM, and HTTP-to-gRPC migration.• Enhanced security compliance via automated vulnerability scans (SonarQube, Checkmarx, BlackDuck, AquaSec).• Performance benchmarking & thorough analysis.• Resolved Jenkins pipeline issues, improved regression coverage, and built automation scripts to strengthen CI/CD reliability.• Proposed and prototyped 8 innovation ideas during Innovation Weeks, mentoring new engineers on automation workflows.• Tech Stack: Java, Python, GoLang, Bash, Spring, Docker, Kubernetes, Jenkins, AWS, gRPC, SonarQube, LangChain, MCP, Prometheus, Grafana.	
Software Engineering-Associate FICO, Bangalore Full Time	June 2024 - June 2025
Software Engineering – Intern FICO, Bangalore Internship	May 2023 - June 2024
Data Structure Scholar TwoWaits Internship	Nov 2021 - Dec 2021
<ul style="list-style-type: none">• Mentored peers in core data structures and algorithms.	

SKILLS

Programming: Java, Python, Go, C++, JavaScript, TypeScript
Frameworks: Spring Boot, Node.js, ReactJS, Express.js, gRPC
DevOps & Cloud: Docker, Kubernetes, Jenkins, AWS, Azure, SonarQube
Security Tools: Blackduck, Checkmarx, Aquasec
Databases: MySQL, PostgreSQL, MongoDB
AI & Automation: LangChain, AI Agents, Model Context Protocol (MCP)
Tools: Grafana, Prometheus, Splunk, K6, Git, Figma, OpenCV, Android Studio
Soft Skills: Teamwork, Mentoring, Problem Solving, Innovation, Time Management

PROJECTS

Tempo MCP Server – TypeScript, Grafana Tempo, MCP, Claude



- Built a Model Context Protocol (MCP) server for distributed tracing and observability with advanced trace query and filtering features.
- Enabled advanced trace & spans query and filtering support for scalable microservice monitoring.

BloodLink – MERN Stack (MongoDB, Express, React, Node.js)



- Designed and developed a full-stack platform connecting blood donors and banks with real-time request and scheduling management.
- Implemented secure authentication workflows and RESTful APIs using Node.js, Express, and MongoDB.

Traximo – Hackathon winning project (1st Place, April 2022)



- Built interactive #MoveToPlay webcam games controlled by hand gestures using computer vision.
- Deployed on Azure, encouraging physical activity through gamified play.

Webfolio – React, Three.js, Framer Motion



- Developed an interactive portfolio site using React, Three.js, and Framer Motion for 3D animations and smooth UI transitions.

Kawach – Android, Java

- Created a QR-based authentication system to restrict complete device access including all device functionalities, internet, camera etc. until revalidated.
- Designed secure server–mobile communication and audit logging.

ACCOMPLISHMENTS

• **FICO Spot Awards (5x, 2023–2025):**

Recognized by leadership for excellence in innovation, automation, mentorship, and CI/CD optimization. Key contributions included SonarQube migration to AWS, Jenkins improvements, DMP feature delivery, and process documentation.

• **Patent Filed (Nov 2022):**

Auto Cut Gas Fired Geyser with Alarm (Application No. 202211065867).

• **Winner – The Great India Hackathon (By ReSkill & Microsoft Azure), Chitkara University (Apr 2022):**

Developed *Traximo*, a gesture-controlled gaming platform promoting physical activity.

• **Smart India Hackathon Nominee (Mar 2022):**

Proposed sustainable waste management app with gamified reward system.

• **Community Recognition (2022):**

Part of GitHub Graduation 2022, celebrating global open-source student developers.