

# Snoopy Matthew

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## EDUCATION

### Massachusetts Institute of Technology

*Master of Science*

Cambridge, Massachusetts

*Aug. 2021 – May 2023*

### Stanford University

*Bachelor of Science*

Stanford, California

*Aug. 2017 – May 2021*

## EXPERIENCE

### Software Engineer

*Google*

Jun. 2022 – Present

*Mountain View, California*

- Developed scalable REST APIs using FastAPI and PostgreSQL, reducing response time by 30%
- Collaborated in an Agile team to ship production-level features for a dashboard used by 10,000+ users
- Integrated Docker-based CI/CD pipelines to streamline deployment across multiple environments

### Backend Developer Intern

*Amazon*

May 2021 – Aug. 2021

*Seattle, Washington*

- Designed microservices architecture to decouple services and enhance system modularity
- Implemented JWT authentication, OAuth2, and role-based access control improving platform security
- Increased API performance by 45% through async optimization and query indexing

## PROJECTS

### AI-Powered Resume Builder | [Github Link](#)

Jan. 2023– Jun. 2023

- Built a resume parsing tool with OpenAI API to optimize ATS scores using NLP techniques
- Enabled LaTeX-based PDF resume generation with responsive UI and dark/light modes
- Integrated file cleanup and async subprocess management using FastAPI background tasks

### Decentralized Chat Application | [GitHub Link](#)

Jul. 2022– Dec. 2022

- Implemented peer-to-peer WebRTC-based video calling and Socket.IO-based real-time messaging
- Built a responsive frontend with React and TailwindCSS, supporting light/dark modes
- Used MongoDB Atlas for scalable chat history storage with encryption

## CLUBS AND SOCIETIES

### Web Development Lead

*Computer Science Association*

Jan. 2022 – Jan. 2023

- Led a team of 20+ members in developing and maintaining the society's website
- Organized monthly coding workshops and hackathons with an average of 300+ participants

### Technical Coordinator

*AI Research Group*

Aug. 2021 – May 2022

- Conducted weekly ML/AI workshops for 50+ students to foster practical implementation skills
- Mentored 10+ juniors in building AI-powered projects and research papers

## CERTIFICATIONS

**AWS Certified Cloud Practitioner:** [Certificate Link](#)

**Google Cloud Professional Developer:** [Certificate Link](#)

## ACHIEVEMENTS

**ACM ICPC Regional Finalist** [Certificate](#)

**Google Hackathon Winner** [Project](#)

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript, TypeScript, Java, C++

**Frameworks:** React, Node.js, FastAPI, Express, Django

**DevOps:** Docker, GitHub Actions, Jenkins, Kubernetes, NGINX

**Databases:** PostgreSQL, MongoDB, Redis, Firebase, SQL