Pranjal Surana

EXPERIENCE/ WORK EXPERIENCE

MindLight.AI
Team Lead   *Jan 2025 – Present*
- High-level design of the system and DB schema design for a mental health application
- Using persistent RAG storage for a chatbot on an AWS instance, which is synced with S3 storage.
- Designing a configurable prompt for multi-purpose use case and unique RAG storage for each therapist and patient.
- Service owner for Java-based backend micro-service and responsible for new development and bug fixing.
- Writing 50+ REST APIs for the entire system, along with generative AI APIs

Cisco Systems – Remote, Chennai
SDE2   *Nov 2022 – Jan 2025*
- Completed the Performance Baseline Scalability initiative by testing over 100K API calls in a multithreaded environment, analyzing performance, and identifying more than 5 scalability concerns.
- Designed and delivered a migration feature that automated the PSTN migration process, reducing manual intervention and increasing speed by over 30%.
- Delivered key APIs for error enhancement & UI with CSV download and reduced the customer defects reaching the engineering team by up to 15%.
- Service owner for Java-based backend micro-service and responsible for new development and bug fixing.
- Upgrading the Gradle version of the microservice.

Cisco Systems – Remote, Chennai
SDE   *Aug 2020 – Oct 2022*
Intern   *Jan 2020 - June 2020*
- Enhancement and Implementation of key features for Webex calling. Reduced API response time by up to 80% for the bulk export feature.
- Part of the security team, responsible for fixing various security issues and has addressed more than 5 security defects, upgrades, and has also delivered pep talks on security.
- Developed a complete health analysis tool for more than 5 components using Prometheus and Grafana dashboards, also a major contributor to health APIs for more than 10 components.
- Responsible for implementing UI automation testing using Cypress and delivering 2 important features for the automation department, which reduced false cases by 30% and helped with debugging analysis.
- Key role in migrating Webex Calling portal front-end features using all the latest Angular techniques like RxJs, NgRx, and Redux.

LEADERSHIP/PROJECTS

Mental Health AI
                                                               Sept 2024 - Present
- Designed backend architecture & database for mobile application.
- Building backend Python REST Application

Torque Finance
                                                               Jan 2024 – Oct 2024
- Developed 30+ Smart Contracts including aggregators, refinancing, boost, and other contracts.
- Integrated Uniswap, Compound finance, GMX, Stargate & others.

Alpha Sharks
                                                               April 2022 – May - 2023
- DEFI Products, Token Deployment, NFT Deployment, Staking Contracts, and Rewarding Contracts
- Market CAP 20M$+

Hackathon - Password rotation script
Hackathon
- Python scripting for password rotational CI/CD pipeline.
- Rotated password using Jenkins job and reduced work hours by 60 hours/week.

SKILLS

Technical Skills
Java, Angular, Solidity, Python, Javascript, Sql, NoSql, VectorDB

Tool
VSCode, Postman, IntelliJ, Supabase, Lovable, n8n, make

Framework & Others
Spring, Spring-boot, Cypress, REST, SOAP, Agile Methodology, MicroService, Amazon Web Service

Languages
Fluent in English & Hindi

Research Work

[Fuel Eye](#):

- Developed an autonomous device that could help detect fraud at petrol pumps/fuel stations (petrol/diesel).
- We are using sensors installed on the fuel tank to measure the amount of refueling.

EDUCATION

Vellore Institute of Technology   *June 2016 - July 2020*
Bachelor of Engineering, Electronics & Communication; CGPA: 9.42/10

PERSONAL INFORMATION

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ACHIEVEMENTS

- Secured Rank under 10,000 in IIT-JEE Advanced
- Automation Hackathon Winner (Cisco)
- Part of the Cisco Recruitment Process Twice
- Virtusa Hackathon Winner