K N ANANTHA NANDANAN

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EDUCATION

Amrita Viswa Vidyapeetham   Kollam, India
Bachelor of Technology in Computer Science and Engineering CGPA: 8.44/10   *August 2019 - September 2023(expected)*

EXPERIENCE

MLOps Engineer   July 2022 - Present
EUS-ML   *Remote*
- Developing an AI-assisted tool with a team of 6 to help physicians identify potentially malignant pancreatic tumours during endoscopic ultrasound-guided fine-needle aspiration.
- Researching and implementing MLOps tool, infrastructure for the Deep Learning project.
- **Technical Skill: Python, BASH, Docker, CI/CD, Machine Learning**

Research Student   October 2021 - March 2022
Eindhoven University of Technology   *Remote*
- Implemented an algorithm for handling incomplete information during ABAC Policy Evaluation using Attribute Similarity Graph.
- Analysed the effectiveness of the algorithm for deciding verdict for user access request in modern systems.
- **Technical Skill: Python, Unit testing**

Associate Technology Engineer   June 2021 - August 2021
Spoon   *Remote*
- Developed a back-end infrastructure using a server-less framework called Firebase Cloud Functions with GCP.
- Implemented back-end features such as authenticating users, KYC verification and integrated bill payment system.
- Improved API response time by **20%** by implementing Asynchronous invocations and fine-tuning resource allocation.
- Improved software security by integrating a data privacy vault system using Skyflow service.
- **Technical Skill: GCP, Typescript, Firebase Functions, CI/CD, NodeJS, gRPC**

Backend Developer   December 2020 - April 2021
Traboda   *Remote*
- Implemented back-end features for a cyber security platform using query language called GraphQL and debugged numerous back-end components in the codebase.
- Added a user password security measure by implementing a password pwned checker.
- **Technical Skill: Python, Django, GraphQL**

LEADERSHIP AND MENTORSHIP

SSR | *Coordinator*   January 2022 – March 2022
- Organised multiple events and invited a nutritionist to speak about creating healthy eating habits and the risks of avoiding the proper nourishment to grow a healthy body and mind.

amFOSS | *Member and Mentor*   August 2019 – Present
- Mentored college juniors in various technical projects and in contributing to open source.

Google Developer Student Club | *Member*   August 2020 - July 2021
- Contributed with other leads in organising various sessions based on Android Development and web development.
- Was part of a project with other core team members to help students to learn basics of software development.

ACHIEVEMENTS

- Finished as a **runner up in the IEEE GovTechThon'20**, out of the 100+ teams selected for the hackathon.

TECHNICAL SKILLS

Languages: Python, JavaScript, Typescript, SQL (Postgres), GraphQL, HTML/CSS
Frameworks: Django, Express, NodeJS, Flask, NextJS, React
Tools: Git, Vim, Linux, Docker, VS Code