Kausik D

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 kausik-devanathan   Kaus1kC0des

Education

St. Joseph's College of Engineering   *Nov 2022 – May 2026*
B.Tech in Artificial Intelligence and Machine Learning

- GPA: 8.1/10.0
- **Coursework:** Foundational Mathematics, Machine Learning Algorithms, Neural Networks, Deep Learning

Experience

Software Engineer Intern   *Chennai, IN*
Qik Meetings   *Aug 2024 – Present*

- **Engineered an end-to-end backend feature** enabling in-person meeting transcription, boosting user engagement by 35%.
- **Designed and maintained GPU-intensive cloud infrastructure** to support the feature, ensuring low latency and high concurrency.
- **Developed the backend for a live transcription service**, leveraging MediaSoup to capture and process live audio streams efficiently.
- Built a **custom Chatbot**, which enables users to query information on previous meetings, minutes and action items. Engineered an **optimized backend** enabling **low latency** and the **best user experience.**

TechBee Intern   *Chennai, IN*
HCL Technologies   *Mar 2022 – Aug 2022*

- **Managed and maintained client infrastructure on Citrix Cloud**, ensuring seamless operations and high performance.
- **Boosted business efficiency by 15%** by maintaining 88% uptime of client infrastructure, delivering reliable and scalable solutions.

Projects

Project Nethran   *GitHub Link*

- Developed AI-powered assistive eyeglasses with YOLOv7 (94% accuracy) for object detection and CNN (91% accuracy) for sign language recognition to support visually and hearing impaired
- Tools Used: Python, PyTorch, Google Cloud Platform, Flask, Rapberry Pi 0

Plant AI (SIH '23)   *Live App Link*

- Built a deep learning-powered web application for plant disease detection, achieving 98% accuracy using transfer learning on EfficientNet.
- Tools Used: Python, PyTorch, Flask, Git, Docker, Heroku, GitHub Actions

Technical Skills

Languages: Python, Java, SQL, Javascript, Bash

Databases: MySQL, PostgreSQL

Machine Learning: Pandas, NumPy, Matplotlib, Scikit-Learn, Regression, Classification, Neural Networks, Computer Vision, Basics of NLP, PyTorch, Audio Processing

Cloud Platforms: AWS, Heroku, GCP

Other Tools: Git, GitHub Actions, Docker, VMWare, W&B