Johan Naizu
Software Developer

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⌂ github.com/johan-naizu

Education

BTech in Electrical and Electronics Engineering, *National Institute of Technology Calicut*
Nov 2021 – May 2025
CGPA - 7.83

BS in Data Science and Applications,
Indian Institute of Technology Madras
Sep 2021 – Dec 2026
CGPA - 7.6

Professional Experience

Software Intern, *Detect Technologies*
May 2024 – Jul 2024

- Optimised deployment workflows using **Kubernetes** and **Docker**
- Configured **Nginx** for reverse proxy setup
- Set up **Prometheus** and **Grafana** for metrics
- Set up **ELK** stack for centralized logging
- Configured **Keycloak** for SSO and IAM

Skills

Languages
Python, JavaScript

DBMS
MySQL, Postgres, MongoDB, Firestore

Frameworks
Node.js, Express.js, React.js, Next.js, Django, Flask

DevOps
Kubernetes, Docker, Nginx, CI/CD, Git, AWS, GCP, Azure, Firebase, Prometheus, Grafana, ELK, Loki

Concepts
OOP, DSA

Projects

Solar Power Generation Forecasting
- Developed a multivariate hybrid machine learning model combining **LSTM** and **CNN** to predict solar power generation using historical weather data
- github.com/johan-naizu/solar-power-forecasting ⌐

Sypher
- Created a Discord bot using **Python**, with a user base of **200K**
- sypher.jonaz.tech ⌐

Random Topics
- Developed a web scraping pip module with **49K+** downloads
- github.com/johan-naizu/random_topic ⌐

Univent
- Built an API for an event management system using **Node.js**
- github.com/johan-naizu/univent ⌐

Future Talks
- Developed a website for a career consultancy firm with **Next.js** and **Node.js**
- *myfuturetalks.com* ⌐

Speech Recognition
- Implemented a speech recognition software with a 500ms response time using Google Speech API
- github.com/johan-naizu/speech-recognition ⌐

Amazon Bot
- Created a bot to check product availability every 5 minutes
- github.com/johan-naizu/amazon-checker ⌐

Student Involvement

Ragam'25, *Tech Head*
- Led backend development using **Node.js**, **PostgreSQL**, deployed on **DigitalOcean** with **Nginx**, and implemented **CI/CD**

Tathva'23, *Tech Head*
- Led backend development and handled **DevOps** tasks, ensuring efficient deployment and system reliability

Ragam'23, *Backend Developer*
- Developed backend API and implemented **CI/CD**

Tathva'22, *Backend Developer*
- Built backend API for the event

Google Developer Student Club, *Member*
- Contributed to the web development team at GDSC NITC