

Abhay Malik

Backend Developer with a soft spot for IoT and full stack work
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ABOUT

Backend developer at JetLearn, mostly working on Django services and the integrations that keep an international ed-tech moving. I came in through an internship in late 2025 and stayed on full-time from January 2026. I like work that crosses the line between software and hardware, and a fair bit of my own time goes into IoT and embedded projects on ESP-32. Comfortable owning a problem from a circuit on a breadboard to a URL someone can click.

EXPERIENCE

Backend Developer and Operations Executive, JetLearn B.V.

Amsterdam, Netherlands (Remote) | Jan 2026 to Present

- Look after roughly ten production systems including a Django calendar sync engine, a Flutter parent mobile app, a React TypeScript PWA, and a few AWS analytics pipelines.
- Write and maintain Django REST APIs, MySQL and DynamoDB schemas, and the Google Calendar, Zoom and HubSpot integrations that hold the class schedule together.
- Responsible for the serverless side of things: Lambda functions, Firebase auth, push notifications, and the Webflow marketing site.

Backend Intern, JetLearn B.V.

Amsterdam, Netherlands (Remote) | Oct 2025 to Jan 2026

- Wrote Django services for internal tooling and built a small HR automation tool on AWS Lambda, S3 and DynamoDB.
- Set up Metabase dashboards for the management team and moved a few cron style jobs over to event driven Lambda so they would stop falling off the server.

EDUCATION

B.Sc. (Hons.) Computer Science, AI and ML specialisation

Karnavati University, Gujarat | Aug 2022 to Aug 2026 (expected) | CGPA 7.5

SELECTED PROJECTS

Heimdall. An agentic CLI workspace I build on weekends. Local memory layer, a small FastAPI backend, and a few specialised agents I actually use day to day.

RFID Learning. ESP-32 and microPython project that uses RFID cards to teach step by step concepts to children visually.

RFID Car Tuning. ESP-32 setup that picks up a driver's RFID tag and adjusts the car's preset profile to match.

Phoenix. Flask starter template I keep coming back to. Tailwind, payments, sessions and auth wired up so I can start a side project the same day.

KnowMe. Flask app for personal profiles, blogs and certificates, backed by SQLite with a clean auth flow.

Escape Room. A CLI puzzle game where you solve SQL queries to unlock the next room. Made for the joy of teaching SQL sideways.

SKILLS

Backend. Python, Django, Django REST Framework, Flask, FastAPI, REST API design, JWT and OTP auth

Frontend. React 19, TypeScript, JavaScript, HTML and CSS, Tailwind, Vite

Mobile. Flutter, Dart

Cloud and DevOps. AWS Lambda, DynamoDB, S3, RDS (MySQL), Firebase Auth and FCM, Docker, Serverless framework, Netlify, Amplify

Databases. MySQL, SQLite, DynamoDB, general SQL

Embedded and IoT. ESP-32, microPython, basic circuit design, embedded systems

Third party APIs. Google Calendar, Zoom, HubSpot

Other. Git, Linux, C and C++, R, data analytics, basic ML, Figma, UI and UX work

CERTIFICATIONS

- Python, IIT Madras (NPTEL), Apr 2023
- Basics of Digital Security and Application Building, IIT Kharagpur (NPTEL), Oct 2023
- Internet of Things, IIT Kharagpur (NPTEL), Apr 2024
- Research Methodology, IIT Madras (NPTEL), Sep 2024
- How to Get Into Robotics, University of Leeds, 2024
- Application Development Foundations, Oracle, 2024
- Deep Learning, IIT Ropar (NPTEL), 2024
- IELTS, IDP, Feb 2026

OUTSIDE WORK

Chess, gaming, tinkering with ESP-32 boards, problem solving, and the slow rabbit hole of figuring out how a good piece of software stays calm under load.