

Yash Agarwal

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EDUCATION

Graphic Era Hill University

Bachelor of Technology in Computer Science & Engineering (Honors in ML & AI)

Uttarakhand, India

August 2023 – July 2027

PROJECTS

Interactive Resume Maker Backend

March 2025 – Present

- Developed API in Node.js & Express to support a collaborative resume editor, which demonstrates full-stack proficiency.
- Implemented robust API security and authentication using JWT and Passport.js.
- Secured data storage in Firestore and enforced role-based access controls.
- Automated PDF rendering via Puppeteer in CI/CD pipelines on Vercel.

First Link Backend

August 2024 – Present

- Created RESTful API in Node.js & Express to retrieve Wikipedia first-link sequences via efficient BeautifulSoup scraping.
- Stored traversal graphs in MongoDB and applied Redis caching for efficient data retrieval.
- Containerized with Docker and deployed to AWS Lambda behind API Gateway for scalable hosting.
- Monitored performance using Grafana dashboards on Render.com.

TECHNICAL SKILLS

Backend: Node.js, Express, Flask, FastAPI, RESTful API design, API Security, Authentication

Databases: MongoDB, PostgreSQL, Redis

DevOps: Docker, AWS Lambda, API Gateway, CI/CD (GitHub Actions)

Scraping: BeautifulSoup, Selenium automation

Monitoring: Grafana, Render.com

CERTIFICATIONS

AWS Certified Cloud Practitioner

AWS Solutions Architect – Associate

AWS Technical Essentials

Designing Event-Driven Architectures