

Aayush

Noida, Uttar Pradesh

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Education

Indian Institute of Technology

Bachelor of Technology in Computer Science

2012 – 2016

Guwahati

Technical Skills

Languages: Python, JavaScript, SQL, HTML5, CSS, Typescript

Front-End Technologies: React JS, Next JS, HTML, CSS, JavaScript, Tailwind CSS

Technologies/Frameworks: Node.js, Express.js, Django, FastAPI, Flask, RESTful APIs, Microservices Architecture, Scalable System Design, WebSockets, Socket.io

Python ORMs & Libraries: SQLAlchemy, Pandas, NumPy

Node.js ORMs & Tools: Prisma, Sequelize, Mongoose, Jest, Supertest, Swagger

Databases: PostgreSQL (AWS RDS), MySQL, Oracle PL/SQL, MongoDB, Redis, VectorDB

Cloud & DevOps: Docker, Kubernetes, Azure App Service, Azure DevOps, AWS (API Gateway, Lambda, S3, RDS), CI/CD Pipelines, Jenkins

Security & Authentication: AWS IAM, OKTA, SSO, OAuth2

Gen AI: Langchain, HuggingFace, RAG

Experience

Poshn

Senior Full Stack Developer

2022 - Present

Noida, Uttar Pradesh

- Led the design and development of cloud-native web applications using **React JS** for dynamic frontends and **Node.js/Express.js** for robust, scalable backends.
- Built and maintained **RESTful APIs**, integrating **AI/LLM features** (e.g., OpenAI, LangChain) to enhance user interactions and automation.
- Managed **containerized deployments** with **Docker** and **Kubernetes**, deploying to **Azure App Service** for high availability and seamless scaling.
- Implemented enterprise-grade **authentication and authorization** using **OKTA**, **OAuth2**, and **SSO**, ensuring secure access control.
- Collaborated with cross-functional teams on **system design**, architecture optimization, and data pipeline enhancements to support business growth and platform performance.

Xspaces

Full Stack Developer

2019 – 2022

Noida, Uttar Pradesh

- Developed full-stack applications using **React JS** for frontend interfaces and **Django/FastAPI** for backend services, delivering performant and user-friendly web solutions.

- Integrated **AI-powered features** into production systems, including intelligent recommendations and data-driven automation, using secure and scalable APIs.
- Built and optimized **data processing pipelines** with **Pandas**, **NumPy**, and **SQLAlchemy** to support real-time analytics and backend logic.
- Managed deployments across **Azure** and **AWS**, leveraging **Docker**, **CI/CD pipelines**, and infrastructure-as-code for reliable and consistent delivery.
- Provided technical leadership and mentorship to a team, promoting best practices in full stack development and AI integration.

Technosoft

Senior Python & Frontend Developer

2016 – 2019

Noida, Uttar Pradesh

- Designed and developed responsive, cross-platform web applications using **React JS**, **React Native**, and **Django**, ensuring high performance across web and mobile.
- Integrated backend systems with **SQLAlchemy**, **PyODBC**, and **Firebase**, enabling seamless data flow across cloud and local services.
- Built and maintained **CI/CD pipelines** and containerized applications using **Docker**, streamlining development and deployment cycles.
- Worked in an **Agile environment**, leveraging **Git** for version control and team collaboration on scalable software projects.
- Integrated cloud storage, authentication, and database services to support scalable, cloud-native architecture across platforms.

Projects

FinTrack 360 – Intelligent Expense & Budget Management System

Python, Django, FastAPI, Celery, SQLAlchemy, PostgreSQL, MongoDB, Azure App Service, Docker, GitHub Actions, Jenkins, AI/ML Models

- Architected a modular, **microservices-based backend** using **Django** and **FastAPI** for transaction processing and analytics services.
- Implemented **AI models** for categorizing user expenses and detecting unusual spending behavior.
- Used **SQLAlchemy** for ORM-based data interaction with **PostgreSQL** and integrated **MongoDB** for unstructured financial data logs.
- Deployed services using **Docker** containers on **Azure App Service** and managed scheduled tasks via **Celery**.
- Built **CI/CD workflows** with **GitHub Actions** and **Jenkins**, ensuring smooth rollouts and automated testing pipelines.

TaskPilot – AI-Driven Task & Productivity Manager

Project Description: Developed a full-stack invoicing and subscription billing platform for small businesses, with AI-assisted invoice data capture and automation features.

Responsibilities:

- Built the backend using **Django** and **Celery** for asynchronous task handling.

- Developed a responsive UI with **React JS** and **Tailwind CSS**.
- Integrated **Stripe API** for secure subscription and payment handling.
- Deployed the app using **Docker** containers on **Azure App Service**.
- Automated invoice data extraction using AI modules running on **AWS Lambda**.

Tech Stack Involved: React JS, Python, Django, Celery, Stripe, Tailwind CSS, AWS Lambda, PostgreSQL, Pandas, Azure App Service, Docker

PropVision – Real Estate Image Enhancement Platform

Project Description: Created a web-based platform that enhances real estate images using AI models and offers manual editing services through an integrated order system.

Responsibilities:

- Integrated **AI/ML models** for real-time image enhancement.
- Developed a **microservices backend** using **Flask** and managed data via **MySQL**.
- Built an order management dashboard with **React JS**.
- Integrated **Stripe** for subscriptions and transactional payments.
- Deployed and orchestrated services on **AWS EC2** using **Docker** containers.

Tech Stack Involved: React JS, Python, Flask, MySQL, AI/ML, Stripe, Docker, AWS EC2, Microservices

CommerceAPI – Scalable RESTful E-commerce Backend

Project Description: Engineered a high-performance, secure API backend for an e-commerce platform supporting user authentication, product catalog, and order workflow.

Responsibilities:

- Designed and implemented scalable **FastAPI** endpoints with **JWT authentication**.
- Handled data operations with **SQLAlchemy** for **PostgreSQL** and caching via **Redis**.
- Deployed microservices on **AWS EKS** using **Docker** and **Kubernetes**.
- Built event-driven flows using **AWS SQS** and **SNS**.
- Set up **CI/CD pipelines** using Jenkins and Git for smooth deployment cycles.

Tech Stack Involved: Python, FastAPI, SQLAlchemy, PostgreSQL, Redis, Docker, Kubernetes, AWS EKS, AWS SQS/SNS, Jenkins