Ajay Prakash

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WORK EXPERIENCE

Cactus Communications
Mumbai,India

Software Engineer
May 2022 − Present

- Reduced API response time by an impressive 98% through seamless transition from threading to asyncio for optimized asynchronous processing. Strategically elevated system efficiency and performance by migrating backend storage infrastructure from S3 to AWS EFS.
- Achieved 100% system availability by orchestrating a robust timeout management solution. Seamlessly integrated AWS SQS as a Dead Letter Queue with AWS Lambda
- Elevated user engagement by 5% by recommending articles to user based on feed history.Developed using FastAPI for robust API creation, Docker for efficient deployment, AWS ECS with Fargate for scalable container management, and Terraform for streamlined infrastructure orchestration.
- Designed and implemented an API for document classification through FastAPI, followed by deployment using Docker, AWS ECS with EC2 instances, and Terraform for efficient scaling and infrastructure management.

Wellowise
Delhi,India

Full Stack Developer
Oct 2019 − Jan 2022

- Reduced report generation timeline from 1 week to 3 hours through the successful implementation of an automated process. This involved retrieving data from the backend, rendering it into HTML, and subsequently converting it into PDF format.
- Developed a Gateway API with robust JWT Authentication, seamlessly integrating diverse microservices for a unified platform. Utilized Flask, PyJWT, and Django to enhance security and data integrity.
- Engineered an AngularJS-based admin frontend, synergistically interfacing with microservices to facilitate efficient backend data manipulation through Django.

MyWanderlust
Himachal Pradesh,India

Tech Intern
May 2019 − Jun 2019

- Improved conversion ratio by 20% through strategic UI redesign, utilizing JavaScript for front-end and Django for robust back-end support.
- Increased revenue by 40% through the development of a holistic end-to-end system, automating certificate distribution for trek completions.

AWARDS & ACHIEVEMENTS

Cactus Communications: Secured the 2nd position in the Dyson Datathon.

IIIT-D ECE Labs: Achieved 1st place in a 24-hour Development Hackathon.

IIIT-D Byld: Secured 3rd place in the Software-Hardware Development Hackathon

CodinGame: Ranked 1st in India and 30th globally in January 2018.

Abhinav Public School: Honored for attaining the top score in Mathematics in the 12th CBSE examination

SKILLS & INTERESTS

Programming: Python,JavaScript,Java,C++

Cloud Technologies: AWS Lambda,AWS ECS,AWS EC2,AWS FARGATE,AWS SQS,AWS S3

Libraries & Frameworks: Flask,Django,FastAPI,Angular.JS,JQuery,Selenium

Developer Tools: Docker,Terraform,Sentry

Databases: DynamoDB,MySQL,ElasticSearch

Soft Skills: Communication,Creativity,Adaptability

Interests: Video Games, Chess, Rubik's cube, Swimming, Trekking

EDUCATION

Indraprastha Institute of Information Technology(IIIT)
Delhi, India

B.Tech. in Computer Science and Applied Mathematics
Sep 2018 − Jun 2022

With Minor in Computational Biology