

# AJAY PRAKASH

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## PROFESSIONAL EXPERIENCE

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### Cactus Communications

Mumbai, India

Software Engineer

May 2022 – Present

- Achieved a 98% reduction in API response time by transitioning from threading to asyncio to optimize asynchronous processing and enhancing backend storage efficiency through the migration from S3 to AWS EFS
- Achieved 100% system availability by orchestrating a robust timeout management solution by integrating AWS SQS as a Dead Letter Queue with AWS Lambda
- Enhanced user engagement by 5% through personalized article recommendations based on feed history. Developed the API using FastAPI, AWS ECS with Fargate for scalable infrastructure.
- Designed and implemented an API for document classification which classify documents based on the text present in the document.

### Wellowise

Delhi, India

Full Stack Developer (Part-Time)

Oct 2019 – Jan 2022

- Reduced report generation timeline from 1 week to 3 hours through the successful implementation of an automated process which retrieving data from the backend, rendering it into HTML, and convert it into PDF format.
- Increased Security of microservices by Developing a Gateway API with JWT Authentication, integrating multiple microservices into a single unified API using Flask, PyJWT, and Django
- Developed an AngularJS-based admin frontend web app, with backend in Django to view and update patient records.

### MyWanderlust

Himachal Pradesh, India

Tech Intern (Internship)

May 2019 – Jun 2019

- Improved conversion ratio by 20% through strategic UI redesign, utilizing JavaScript for front-end and Django for back-end.
- Increased revenue by 10% through the development of an end-to-end system, automating certificate distribution for trek completions.

## PROJECTS

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### Graphical Abstract Generator | [Demo](#)

- Users upload their research articles in PDF format and get visual representation of their research paper.
- It uses GPT to summarize research paper and suggest images, which are then rendered into a template.

## AWARDS & ACHIEVEMENTS

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**Cactus Communications:** Won Project of the Quarter award for "Paperpal Copilot", Secured the 2nd position in the Dyson Datathon(2022), 2nd position in GCP GenAI Buildathon

**IIIT-D:** Achieved 1st place in a 24-hour Development Hackathon(2019), 3rd place in the Software-Hardware Development Hackathon(2018)

**CodinGame:** Ranked 1st in India and 30th globally in January 2018 on CLASH OF CODE.

## SKILLS

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**Programming Languages:** Python, JavaScript, Java, C++

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

**Libraries & Frameworks:** Flask, Docker, Django, FastAPI, AngularJS, JQuery, Jenkins

**Databases:** DynamoDb, MySql, ElasticSearch

## EDUCATION

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**Indraprastha Institute of Information Technology(IIIT)**

Delhi, India

B.Tech. in Computer Science and Applied Mathematics

Aug 2018 – July 2022

With Minor in Computational Biology