

ANIKET PARLIKAR

Hyattsville, MD, 20783

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Education

University of Maryland, College Park

Master's in Computer Engineering

Sept 2021 – May 2023

College Park, MD

University of Pune

Bachelor of Science in Electronics and Telecommunications Engineering

Jun 2014 – Jun 2018

Pune, Maharashtra

Relevant Coursework

Data Structures and Algorithms, Data Mining, Fundamentals of AI and Deep Learning, Software Engineering, Compilers, Operating System Design, Digital Image Processing, Object-Oriented Programming

Technical Skills

Languages and Databases: Python, Java, C++, HTML, CSS, JavaScript, MySQL, PostgreSQL

Tools and Cloud: Git, Jenkins, Kubernetes, Docker, AWS(EC2, S3, Lambda), Google Cloud

Frameworks and Libraries: Django, Bootstrap, Node.js, React.js, R shiny, Angular.js, Nginx

Networks and Protocols: TCP/IP, OSI, JunOS, VPN, Firewalls

Experience

NASA Harvest

Backend Engineer Intern

May 2022 – Dec 2022

Hyattsville, MD

- Optimized the inference services of the crop-mask ML platform deployed on **Google Cloud Run** to yield faster inferences by **45%** and save cloud costs
- Helped to scale the deployment of **Pytorch** models using **Docker** to handle multiple input requests achieving a **10x** speed over previous approach.
- Developed trigger functions using **Cloud Functions** and **Python** that manages CRUD operations related to a **Firestore** database.
- Created a **Github action** that automatically deploys the cloud services for efficient **CI/CD process**.

Bitwise Inc

Software Engineer

Mar 2019 – Jul 2021

Pune, MH, India

- Collaborated with a team to assist the client towards re-architecting their application framework from an on-premise local environment to **Google Cloud Platform**, thereby achieving a **20x** decrease in maintenance efforts and improving memory efficiency.
- Created an authorization application using **React.js** in the frontend and **Flask** in the backend to support the on-boarding process of new users and manage the role-based access for new client applications thus helping in achieving a customer acquisition rate of **33%**.
- Successfully migrated **20 SQLite** client databases to **MySQL** format thus ensuring better speed of operation and integration with other cloud services.
- Developed an automated **CI/CD** process to perform unit testing on **25** client web applications using **Pytest**, achieving an overall code coverage of **75%**.
- Containerized client web applications using **Docker** and deployed them on **Google Kubernetes Engine**, resulting in **99%** uptime and better maintainability.

Projects

Resume Builder Web Application | *Node.js, React.js, Express.js, AWS EC2*

Sept 2022

- Designed the frontend by making modularized components using **React Bootstrap** and **Material UI**
- Processed the information on the server side using **Node.js** and **HTML-to-pdf** libraries to generate the resume pdf.
- Deployed the website on **AWS EC2** for ensuring better reliability and high availability.

YouTube Transcript Summarizer | *JavaScript, Natural Language Processing, HTML, CSS*

Dec 2022

- Architected a chrome extension which utilizes **HTML**, **CSS** and **JavaScript** on the frontend along with **Flask** in the backend to display the summarized text to the user.
- Realized text summarization on obtained transcripts using **HuggingFace** Transformers and engineered

StarSpace: A social media clone website | *Bootstrap, jQuery, Django*

July 2022

- Designed a full-stack social media clone website to share astronomy related web content.
- Implemented the frontend using **HTML**, **Bootstrap** and **jQuery** and developed the backend using **Django**.