

# ANIKET PARLIKAR

Hyattsville, MD, 20783

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## Education

University of Maryland, College Park

Sept 2021 – May 2023

*Master's in Computer Engineering*

*College Park, MD*

University of Pune

Jun 2014 – Jun 2018

*Bachelor of Science in Electronics and Telecommunications Engineering*

*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

May 2022 – Dec 2022

*Backend Engineer Intern*

*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
- Implemented multithreading functionalities using packages like **multithreading** and **futures3** to send concurrent requests to the inference service.
- Developed trigger functions using **Cloud Functions** and **Python** that manages CRUD operations related to a **Firebase** database.
- Created a **Github action** that automatically deploys the cloud services for efficient **CI/CD process**.

Bitwise Inc

Mar 2019 – Jul 2021

*Software Engineer*

*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%**.
- Optimized data processing operations using **pandas** and **pyspark** to help speed up data migration operation from **Oracle SQL** to **Azure SQL** by **50%**.
- 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** in the backend to display the summarized text to the user.

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**.