

Abbas Mohammed

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SUMMARY

Developer with profound experience in Full Stack Development, Data Science, Machine Learning and DevOps. I have shipped over a dozen high end projects in the realm of Machine Learning, NLP, Mobile App development and Software development. Active contributor of the Open Source community.

EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

TECHNOLOGY AND
ENTREPRENEURSHIP

- VISITING STUDENT

May 2020 | Berkeley, CA, USA

Graduated with distinction

CGPA above 3.7/4

SRM UNIVERSITY AP

B.TECH COMPUTER SCIENCE

May 2022 | Guntur, AP, India

Specialization in Data Science

CGPA 8.6/10

SKILLS

Programming

Python • JavaScript • JAVA • C/C++
PHP • MySQL

Web

HTML • CSS • ReactJs • JQuery •
NodeJs • Flask • React-Native

Libraries & Tools:

Git • AWS • GCP • Linux • Docker •
Gatsby • D3.js • Tensorflow • Firebase
• Numpy/Pandas • CircleCI

CO-CURRICULAR

ACTIVITY

Open Source Contributor

Contributed to 15+ Open source
projects like PyTorch, Dev.to, Opsdroid

Web Master

Designed and Developed 15+ Websites
for Charities, Organizations and Events

Organizer HackSRM

South India's largest community
Hackathon

EXPERIENCE

PREDLI | SOFTWARE ENGINEER

June 2020 – Present | Stockholm, Sweden (Remote)

- Led and Shipped MEI - A Data Analytic tool used to measure Program Execution success.
- Used Technologies like **AWS (Beanstalk, EC2, RDS), Git, Docker, Flask, D3.js, Pandas and more.**
- Full-stack developer - Developed large-scale website using **ReactJs, Headless CMS, Gatsby, AWS (S3, EC2, CloudFront), CircleCI, JVectormaps** etc.

SRM UNIVERSITY | WEB DEVELOPER

June 2019 – Aug 2019 | AP, India

- Developed University's official website using wordpress software
- Built various websites for events using **HTML, CSS, React, PHP, MySQL, Firebase, etc**

NEXT TECH LAB | UNDERGRADUATE RESEARCHER

Oct 2018 – Present | AP, India

- Member at Minsky Lab, which focuses on application of Artificial Intelligence using Machine Learning.
- Led various research projects in the realm of Machine Learning, Image Processing and NLP.
- Mentored students on the fundamentals in artificial intelligence, deep learning and as well as Full-Stack Development

PROJECTS

BERKELEY INDEX FOR TENACITY | UC BERKELEY (SCET)

May 2020

- Berkeley Index of Tenacity or BIT is a statistically valid self improvement tool which measures your GRIT level.
- Used **Item Response theory and Partial Credit Model** along with **linear regression model** to score the survey.
- Visualised the data on a user specific dashboard using **D3.js and Flask**.
- Deployed the application on **AWS Elastic Beanstalk multi-instance server with load balancing**

COVID-19 API | UC BERKELEY (SCHOOL OF INFORMATION)

Mar 2020

- Built a service that scrapes the latest information on COVID-19 and sends SMS Notifications
- Used **Redis to cache data and queue the scheduler** to send SMS
- Used **Docker to containerize all components** and deployed the service on **AWS EC2 Instance**.

AWARDS

2020	Winner	Developer Week Hackathon
2020	Winner	HackTech
2020	Winner	Hack Quarantine
2020	Runner Up	CatHacks
2019	Gold Medal	SRM AP Research Day
2019	Awardee	President's Scholarship of 20,000 USD to attend UC Berkeley

PUBLICATIONS

- [1] M. J. Abbas. Implementation of smart surveillance on micro-controller platform. *IEEE Inocon*, 2020.