

Jahangir Abbas Mohammed

STUDENT · FULL STACK DEVELOPER · UNDERGRADUATE RESEARCHER

Kukatpally, Hyderabad, Telangana, India - 500072

☎ (+1) (510) 345 8520 | ✉ me@abbasmj.com | 🏠 iam-abbas.github.io | 📷 iam-abbas | 🌐 abbas-mj

Education

University of California, Berkeley

Berkeley, California

VISITING STUDENT AT COLLEGE OF ENGINEERING

Jan 2020 - May 2020

- CGPA: 3.71/4
- Awarded a scholarship of USD 19,000 to attend the University of California - Berkeley

SRM University AP

Amaravati, AP

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

Jun 2018 - Exp. May. 2022

- CGPA: 8.6/10
- Majoring in Computer Science Engineering with specialization in Data Science.

Experience

Predli

Stockholm, Sweden (Remote)

FULL-STACK DEVELOPER INTERN

Jun 2020 - PRESENT

- Working on a Data Science projects involving Machine Learning and People Sciences
- Using Technologies like AWS, Git, Docker, Kubernetes, Pandas, SkLearn, etc
- Developing scalable high-end web software using Flask, MySQL, D3.js, HTML/CSS, etc

Timebean

Singapore (Remote)

FULL STACK DEVELOPER

Mar 2020 - May 2020

- Building Webapps for Clients.
- Using technologies like JavaScript, Python, HTML/CSS.

SRM University AP

Amaravati, AP

WEB DEVELOPER

Jun 2019 - Sep 2019

- Developing University's official website using wordpress software.
- Built various websites including: HackSRM, TechFest, SportsFest, Distinguished Lecture Series, TEDx SRM University AP

Next Tech Lab

Amaravati, AP

UNDERGRADUATE RESEARCHER

Oct. 2018 - PRESENT

- Member at Minsky Lab, which focuses on application of Artificial Intelligence using Machine Learning.
- Syndicate of Design Lab, which works on Android and iOS APP Development and Web Development.
- Mentored students on the fundamentals in artificial intelligence and deep learning and as well as Full-Stack Development.

Projects

Berkeley Index for Tenacity

Berkeley, California

UC BERKELEY - COLLEGE OF ENGINEERING (SCET)

May 2020

- Berkeley Index of Tenacity or BIT is a statistically valid self improvement tool which measures your GRIT level.
- Lead a team of 6 students from UC Berkeley to build and deploy a high quality product.
- Used Item Response theory 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

Berkeley, California

UC BERKELEY - SCHOOL OF INFORMATION

Apr 2020

- Built a service that scrapes the latest information on COVID-19 and sends SMS Notifications.
- Used Twilio API for sending SMS to mobile phones and MySQL Database to store phone numbers
- 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.

Colbert AI 2.0

Amaravati, AP

NEXT TECH LAB - MINSKY LAB

Mar 2020

- Colbert AI is a Deep Learning Language Model that generates text in the style of Stephen Colbert's famous monologues.
- Scraped video captions from hundreds of YouTube videos and filtered the data to according the model.
- Used State of the Art Deep Learning Language model: Open AI's GPT-2 and Fine Tuned it to generate high quality monologues.

Parked

UC BERKELEY

Berkeley, California

Present

- Parked is a peer-to-peer data driven Parking lot renting platform.
- Used technologies like React Native, GCP, Firebase, Tensorflow.

Famaeris

NEXT TECH LAB - MINSKY LAB

Amaravati, AP

July 2019

- Famaeris is story generator built using OpenAI's GPT-2
- Scraped over 10,000 posts from the subreddit r/nosleep and used it to fine-tune the model.

Campus Management System

NEXT TECH LAB - DESIGN LAB

Amaravati, AP

Jul 2019

- Developed an Android APP and Web server using Linux, Apache, PHP and MySQL along with JAVA Webview for android app.
- being used by 2000+ students and 30+ engineers on campus to track, manage and resolve complaints

Skills

Programming	Python, JavaScript, C/C++, JAVA, PHP, MySQL
Web	Flask, NodeJS, Angular, React, React-Native, HTML, CSS, AJAX, jQuery
Libraries	Tensorflow, Keras, PyTorch, SkLearn, Pandas, Numpy, BS4
Tools	Git, GCP, AWS, Linux, Docker, Android Studio, Flutter, Expo, GIMP, Photoshop, Illustrator, Adobe XD
Languages	English, Hindi, Telugu, Urdu

Co-curricular Activity

Open Source Contribution	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
Alexa Skill	Successfully Published multiple skills on Amazon Alexa Skill Store
Google Actions	Successfully Published multiple actions on Google Assistant Action Store

Honors & Awards

2020	Winner , Developer Week Hackathon	San Francisco, U.S.A
2020	Winner , HackTech	Caltech - USA
2020	Winner , Hack Quarantine	Global
2020	Runner Up , CatHacks	UKY - USA
2019	Gold Medal , SRM AP Research Day	AP, India
2019	Awardee , President's Scholarship of 20,000 USD to attend UC Berkeley	AP, India

Publications

Implementation of Smart Surveillance on Micro-controller Platform

IEEE - Accepted

FIRST AUTHOR

April 2020

- Implementation of person detection using SSD-MobileNet on Micro-controller platform.

MOOCs

2019	Google Cloud: Baseline Infrastructure	Qwikilabs
2019	Google Cloud: Cloud Architecture	Qwikilabs
2019	Kubernetes in the Google Cloud	Qwikilabs
2020	Introduction to Machine Learning	Coursera
2020	Introduction to Data Science	Udemy