Madhurjya Pegu

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Education

Indian Institute of Information Technology   *Allahabad, U.P.*

Dual Degree B.Tech(IT) + M.Tech(IT) specialisation in Robotics   *July, 2015 – 2020*

- Cumulative GPA : 7.38

Central Board of Secondary Education - Class XII   *Visakhapatnam, Andhra Pradesh*

Sri Chaitanya Junior College   *2014 – 2015*

- Percentage : 87.8

Central Board of Secondary Education - Class X   *Guwahati, Assam*

Don Bosco School   *2012 – 2013*

- CGPA : 8

Technical Skills

Frameworks	Node js,React ecosystem, React Native, Expo, Express, Flow, Flask, Keras
Development	Web, Desktop, Mobile Application Development, Deep learning Applications
Skills	UI logic and state management, Backend data pipeline, REST and GraphQl, Deep Learning
Tools	Git, Heroku, Digital Ocean, bash

Training/Internships

Full-Stack Developer

OAB Studios, Pune   *May 2017 - June 2017*

- Created a search component which is able to give autocompletion and auto suggestion which runs on the client's browser
- The search component uses trie data structure and baysian conditionality
- Created Presentational as well as react native components for outsourced project
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Projects

Speaking Geo- GP Assistant

NodeJS, MongoDB, Geospatial queries and viz.   *March 2018*

- Runner up at Smart India Hackathon 2018, ISRO
- Built a voice assistant to help policy makers take data-driven decision using geospatial data obtained from satellite imagery.
- Implemented geographical queries and custom queries on geojson using MongoDB.
- The assistant responds back in English, Hindi and Bengali.

Human Face Tracking

Keras, CNN, Siamese Networks   *May 2018*

- Build using keras, numpy, iphython
- Used deep based approach to detect faces in real time
- Achieved 99.8 % accuracy in LFW datset.
- Can be used with connected cameras over network.

Aerially

NodeJS, Ethereum.   *March 2018*

- Runner up at Hack In The North 3.0, IIIT-Allahabad.
- Built a smart-contract platform for airlines to transfer overbooked passengers to alternate flights.
- Each transaction of migrating a passenger is a smart contract between two operators.
- Used Ethereum's eventing mechanism to monitor events.

Dexter

Python, Javascript, NLP.   *Jan 2018*

- Won 1st Prize at Hack36, annual hackathon of MNNIT-Allahabad.
- Voice controlled code-editor for the disabled.
- Voice instructions are converted to text and then converted to Python/JavaScript code using Fuzzy logic based NLP parser.
- Entire NLP takes place on the browser in JavaScript.

Expedite

Python, Django, MySQL, ReST API.   *October 2017*

- Won first prize at IIIT-Hacks, 2017, IIIT-A's annual internal hackathon.
- Bridging customer issues on social media to customer support.
- Comments/Reviews on social page gets registered on company's CRM.
- Neural Network based classifier classifies and assigns issues to respective support team.

Achievements

- **4rd Position**, Smart India Hackathon, ISRO   *2018*
- **1st Position**, IIITA Hacks, IIIT Allahabad   *2017*
- **1st Position**, Hack36, MNNIT Allahabad   *2017*
- **3rd Position**, Hack In The North, IIIT Allahabad   *2017*
- **Quarter Finalist**, Tennis Asian Open   *2010*
- **Winner**, Tennis, ASMITA, IIIT Allahabad   *2017, 2018*

Interests

- Reactive UI Programming
- Deep Learning
- Lawn Tennis
- Art & Animation