

Karthik Chowdary Paladugu

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EDUCATION

- Indian Institute of Information Technology DM Kancheepuram | Chennai, IN** July 2017 - May 2021
· B.Tech, Bachelors in Computer Science Engineering. Cum. GPA: 8.4
- Sri Chaitanya Narayana Jr College | Hyderabad, IN** April 2015 - May 2017
· Telangana State Board of Intermediate Education. Cum. GPA: 9.54
- Sanghamitra School | Hyderabad, IN** March 2015
· Central Board of Secondary Education. Cum. GPA: 10.0

WORK EXPERIENCE

- Front End Development Intern | Northern Command, Indian Army** March 2020 - April 2020
· Implemented an online delivery system for the delivery of groceries during the pandemic within 1 week from the start of the project.
- Created a responsive web application using React JS/Redux, Ant design as React UI library, and implemented back-end service using Flask, thus decreasing the development time.
- Deployed the website on AWS cloud service and registered over 100 user count per day on average by Udhampur Military Station during the COVID-19 pandemic.

- Software Development Engineer Intern | Center for Innovation & Entrepreneurship** May 2019 - July 2019
· Built a campaign model for collecting recorded audio samples of people all over India in over 5+ languages to build a robust dataset for research in Natural Language Processing (NLP).
- Collaborated with the software development team to build interactive web applications using frameworks like React JS/Redux for frontend development, Flask for backend REST APIs development, and MySQL(SQL) as the relational database.
- Managed to test the application within the office workplace by deploying on the Heroku platform, improved the experience, and evaluated the performance of the application.

- Front End Development Intern | TechMinds Global Pvt Ltd** May 2018 - July 2018
· Designed and developed user-oriented visuals and features for a crowdfunding platform that provides individual investors with access to vetted startup firms.
- Gained hands-on expertise in HTML, CSS, Vanilla Javascript, and JQuery library.

PROGRAMMING SKILLS

- **Proficient with:** C, C++, Python, Javascript, Typescript, Java, GoLang, React JS/Redux, Node.js, Express.js, Sass, MySQL, Bash scripting, Flask, Git, Linux/Unix, Docker, Data Structures and Algorithms, Machine Learning, Deep Learning, Pytorch
- **Familiar with:** MongoDB, Matlab, TensorFlow, AWS, GCP, CUDA Programming

TECHNICAL PROJECTS

- Ant Simulation** Github
· Introduced and created a 3D ant model using Three.js and Physi.js for simulation and illustration of genetic algorithms and reinforcement learning algorithms.

- Coding Calendar** Github
· Built a web scraper using python's BeautifulSoup for scrapping coding websites like Codechef, Hackerrank, and Codeforces for information about current and ongoing competitions. The web scraper collects the information of past, ongoing and upcoming contests in the platform.

- Collaborative Text editor** Operating Systems
· Developed a Real-time collaborative text-editor for development across different operating systems and supports syntax correction feature. Chose Electron.js framework for the development of the desktop application.

ACCOMPLISHMENTS

- Completed the 2018 HacktoberFest held by DigitalOcean and Github. October 2018
- Awarded Certificate of Performance among 200 participants at the Summer School on Computer Vision from CVIT. July 2019
- Selected as one of the 250 teams for the Spark AR open program by School of Innovation India from Facebook. February 2020
- Achieved 924 AIR in Google HashCode 2020. February 2020
- Qualified for Round 1 of Google CodeJam 2020. March 2020
- Ranked 857 AIR in Google HashCode 2021. February 2021

CLUBS AND INVOLVEMENT

- Web-Ops Operator | Digital And Media Team, IIITDM Kancheepuram** January 2019 - April 2019
· Coordinated the development and maintenance of cultural and technical fest websites of IIITDM Kancheepuram designed and maintained by the DMT team.
- Recorded over 700 users count each during the technical and cultural fest of IIITDM Kancheepuram.
- Coded the backend application using Node.js/Express.js and the frontend application using React JS/Redux, Vanilla Javascript respectively for the technical and cultural fest.