Karthik Hosur

+91 9611131081| karthikhosur15@gmail.com | linkedin.com/in/karthikhosur | github.com/karthikhosur-code

EDUCATION

Visvesvaraya Technological University   Bangalore, India
Bachelor of Engineering in Computer Science & Engineering   *Aug. 2016 – Aug 2020*

EXPERIENCE

Software Engineer- Full Stack & AI   July 2020 – Present
TalentMicro Innovations Pvt. Ltd.   *Bangalore, TX*
- Developed a Resume Parser and a Resume ranking tool using Natural Language Processing and Deep Learning

Software Engineering Intern   Feb. 2018 – June 2020
HireCraft Software Pvt. Ltd.   *Bangalore, India*
- Worked on a Big Five factor personality detection mobile application to classify candidates based on personality for recruitment.

Research Intern   July 2019 – Sep. 2019
Incarnus Technologies India Pvt. Ltd.   *Chennai, India*
- Designed and integrated chatbot to ArcusAir, a Hospital Management System to help the users like Doctors, Technicians, and Nurses to retrieve knowledge base using natural language input by voice or text.

PROJECTS

Personality Evaluation using Sentiment Analysis | *Python, Swift, Docker*
- An iOS App to Classify the candidates text corpus based on different traits using Big Five Personality Evaluation
- The system replaces the traditional process of using a questionnaire to evaluate the candidates personality
- Application has been integrated into the HR system at HireCraft Software Pvt. Ltd.

Automatic Indian Number Plate Recognition System | *Python, Flask, OpenCV, Angular*
- Developed a CNN algorithm and trained it with Indian Number Plates to be recognized with a success rate of 86%(The best publicly available model for Indian Number Plates)
- The application developed as an Angular Web App received appreciation from National Informatics Centre, Government of India

PATENTS PUBLICATIONS

- Patent filed on "A system and a method for exchanging information over chat system through structured forms"(WO2018011653A1)
- Patent filed on "A system and method for storing and securely sharing of information through an unique id"(WO2016103109A1)
- Research Paper on "Agriculture Crop Cost Prediction using Artificial Neural Networks", International Journal of Advance Research, Ideas and Innovations in Technology, August 2018

AWARDS

CMR Leadership Award 2020, awarded to a distinguished graduating student for excellence in academics, behaviour and extracurricular activities

TECHNICAL SKILLS

Languages: Java, Python, C++, Swift, SQL, JavaScript, HTML/CSS, G
Frameworks: React, Node.js, Flask, Angular, Django
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

EXTRACURRICULAR ACTIVITIES

- Licensee and Lead Organizer at TEDxCMRIT
- Web developer of TEDxMarathahalli, 2018
- Organizer of "Hack-It-On" hackathon
- College representative for the Entrepreneurship Cell, IIT Bombay, 2017-18