Anurag Maravi

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OBJECTIVE

Research position with emphasis on machine learning, artificial intelligence and data science.

EDUCATION

SRM University, Chennai, Tamil Nadu, India

- Bachelor of Technology in Computer Science Engineering   Jun 2014 – Aug 2018
  - Cumulative GPA: 9.2 / 10.0

Krishna Public School, Bhilai, Chhattisgarh, India

- AISSCE - Higher Secondary School   2011 – 2013
  - Marks: 80%
  - Secured first position in Physics Exhibition (Magic of Physics) during the session 2011-2012.

MGM Senior Secondary School, Bhilai, Chhattisgarh, India

- AISSE - High School   2009 – 2011
  - Cumulative GPA: 9.6 / 10.0
  - National Cadet Corps (NCC): Passed certificate "A" examination under the authority of Ministry of Defence, the government of India.

RESEARCH EXPERIENCE

Carnegie Mellon University, Pittsburgh

- Research Intern, Synergy Labs   Jul 2018 – Present
  - Investigated existing localization techniques for the WiFi-based indoor positioning system.
  - Developed an Android application for collecting RSSI values as fingerprint data.
  - Analyzed machine learning algorithms for predicting the building, floor and position of a device.

Software Defined Networks Labs, SRM University

- Computer Science Department   Jul 2016 – Nov 2016
  - Investigated existing localization techniques for the WiFi-based indoor positioning system.
  - Developed an Android application for collecting RSSI values as fingerprint data.
  - Analyzed machine learning algorithms for predicting the building, floor and position of a device.

WORK EXPERIENCE

Blue Banyan, Raipur, Chhattisgarh, India

- Android Application Development Intern   Nov 2016 – Dec 2017
  - Developed the back end and Android application that lets the user find and book gyms and fitness centers around them.
  - Developed an Android application for managing the state government hoardings and billboards.
  - Optimized the performance of four android applications.

Steel Authority of India Limited, Bhilai Steel Plant, India

- Industrial Trainee   Jun 2016 – Jul 2016
  - Worked on the condition monitoring and fault detection system using machine learning.

ACHIEVEMENTS

- Android Application Development Competition, Freshdesk, Chennai, India   May 2017
  Won "The Most Complete App" award, one out of three awards for an android application "Kisaan" which helps the farmers sell their products directly to the customers.

- ZS Young Data Scientist Challenge 2017, Hackerearth   Jul 2017
  Successfully completed the challenge under "Top 4% of 5061" data science participants.

CAMPUS ACTIVITIES

Aakash Research Labs, Remote lab of IIT Bombay, SRM University

- Lead Android Developer   Mar 2017 – Apr 2018
  - Leading a team of twelve android developers.
  - SRM Opas: Campus guide application for freshers.
  - SRM Messenger: Working on group chat based messaging application which dynamically makes class groups for each subject of a student.
  - Library: Application for the department library.
  - Moo-V: Application to show the details and ratings of movies and tv series.
  - Three educational apps: Learn Android, Learn Arduino, Learn Web.
- Organizer   Aug 2017
  - Organized a 24 hours event "Tekmux", in which web, android and electronics hackathons were conducted in parallel.

Advances In Positioning, Navigation And Communication - APNC 2016, IET & IEEE SRM Chapter, SRM University

- Project demonstrator and presenter   Sep 2016
  - Presented and demonstrated a WiFi-based Indoor Positioning System at the national workshop organized by the Department of Computer Science and Engineering.

SRM Environment Club, SRM University

- Head of Creativity Team   2015 – 2017
  - Responsible for making mascots, decorations, banners and charts for various events and rallies.
  - Activities: Paper bag campaign, clean drive, plantation drive and green walk.

Aaruush 2015, SRM University

- Event Coordinator   2014 – 2015
  - Organized an event named "Tessera" which received more than 2000 registrations and 1200 participants.

PROJECTS

Idiot Box, Google Play Store (Android)   2017
- Developed an Android application for getting the details, ratings and reviews of movies and tv shows.
- Working on movie recommendation system which could be deployed on the application.

Moztrip, Mozilla Hackathon 2017 (Android)   Apr 2017
- Developed an Android application to show all the nearby tourist places, ATMs, restaurants using Google places API as a tourism app within 24 hours for an Android based hackathon.

Gender Voice Recognizer, (Machine Learning)   Apr 2017
- Developed a model which identifies a voice as male or female based upon acoustic properties of the voice and speech.
- Used support vector machines and analyzed its kernels to use the best-tuned parameter for the model.

Digit Recognizer, (Machine Learning)   Feb 2017
- Developed a model which identifies digits from MNIST dataset having thousands of 28X28 handwritten image.
- Using KNN, random forest, support vector machines, tensorflow.

Indoor Locator, SRM University (Android)   2016
- Getting the RSSI values from the WiFi routers and showing the location of the user.

Indian Science Congress, SRM University (Android)   2015 – 2016
- Developed the official android application for 104th Indian Science Congress for online registration, schedules, events, accommodations, travelling and payment.

COURSES

Machine Learning, Coursera (Stanford University)   2017
Data Science And Machine Learning With Python - Hands On!, Udemy
Learning Python For Data Analysis And Visualization, Udemy
Intro To Machine Learning, Udacity
Deep Learning, Udacity
Data Science Methodology, IBM

LANGUAGES

- Hindi: Native language.
- English: Fluent.
- German: Intermediate (reading); basic (speaking, writing).

SKILLS

Python, Java, R, NodeJS, MATLAB, Android.

INTERESTS

Digital photography, basketball, swimming, sketching, Rubik's cube.