Amrit Bhat

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EDUCATION

PES Institute of Technology, Visvesvaraya Technological University, Bangalore

August 2014 - June 2018

Bachelor Of Engineering

Relevant Coursework: Pattern Recognition, Linear Algebra, Design and Analysis of Algorithms, Artificial Intelligence, Advanced Computer Architecture, Discrete Mathematics, System Modelling and Simulation

EXPERIENCE

Analyttica Datalabs Inc., Bangalore

Sept 2018 – Present

Analyst

- Leveraged the simple and versatile prototyping offered by libraries using Python and R.
- Coded functions executing data preprocessing, validation, text analytics and machine learning to enhance ATHs versatility and all-inclusiveness to optimize the clients' flexibility
- Collaborated with development team & analytics SMEs to debug and fix bugs to achieve targets
- Engaged in skill-building by mentoring interns in Algorithm design, Deep Learning and App Development

Primenumbers Technologies, Bangalore

Nov 2017- Feb 2018

Engineering Intern - Data Analysis & Algorithms

- Analyzed text data and underlying patterns using Natural Language Processing
- Implemented data structures and algorithms for applications at scale

PROJECTS

Automobile Equipment Predictive Maintenance
- Developed a web dashboard to analyze behavior of simulated aircraft engine dataset and determine time to failure using predictive analysis
- Built a long-short-term-memory (LSTM) neural model to analyze time series data of running cycles of machine
- Technologies used: TensorFlow, Keras, Python, Plotly, JavaScript and HTML5

Skin-Sense
- Designed an android application to analyze images and aid doctors in classifying between melanoma and carcinoma cancer of skin with an accuracy of 70%.
- Implemented transfer learning from a digit recognizer convolutional neural model, Firebase integration
- Technologies used: TensorFlow, Keras, Python, Django, Android and Java

Illuminating Paradigm
- Built a 3-D object visualization tool to simulate reflection, refraction and absorption light effects in a virtual reality scene
- Technologies used: C++, OpenGL, GLUT, GLUI

TECHNICAL SKILLS

- Programming: Python, R, Java, C, Ansible, Arduino.
- Databases: PostgreSQL, MySQL, SQLite (SQL), MongoDB (NoSQL)
- Frameworks: Django, Flask, Spring Boot, PyQt cross-platform GUI framework, OpenGL
- Packages: NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Plotly

EXTRA CURRICULAR ACTIVITIES

- Badminton: Represented PESIT-BSC in the VTU Inter-Collegiate Badminton Tournament-2015 SJBIT, Bengaluru.
- Presented a seminar to a technical panel on the extensive research conducted in a paper "Automatic Documentation Generation via Source Code Summarization of Method Context" by Paul W. McBurney and Collin McMillan.
- Formulated a normalized scoring system to rate teams participating in InGenius, 2016, a flagship 24-hour hackathon event conducted by PESITSouth ACM Student Chapter.
- Secured an All India Percentile of 96.3 in Category 1 in the National Creativity Aptitude Test 2015.