Amaraneni Navya Sree

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EDUCATION

IIT PATNA
B.tech in Computer Science and Engineering
2018-2022 | Patna,Bihar
Cum. GPA: 8.54 / 10.0

12TH (SENIOR SECONDARY)
Narayana jr college
2018 | Mehdipatnam,Hyderabad
percentage: 98.6/100.0

HIGH SCHOOL
Narayana high school
2016 | Nellore,Andhra pradesh
Cum. GPA: 10.0 / 10.0

TECHNICAL SKILLS

PROGRAMMING LANGUAGES
C • C++ • Python • HTML • CSS • JavaScript • React • Jquery • Ruby • Bootstrap • latex • Verilog

TOOLS AND FRAMEWORK
MySQL • Redux • Node Js • Express • MongoDB • Catalyst •Ruby on rails • TensorFlow • Keras •Git •Github

PROGRAMMING SKILLS
Data structures and Algorithms • Front-end and Back-end development • Graph Theory • OS • DBMS

COURSEWORK

COMPUTER SCIENCE
Data Structures and Algorithms
Operating systems
Database Management systems
computer Networks
System design

MATHEMATICS
Linear Algebra and ODE
Real and Complex Analysis
Partial Differential Equations
Probability Theory

POSITIONS OF RESPONSIBILITY

• **COORDINATOR**| Entrepreneurship Cell,Media and Public relations,IIT Patna
• **COORDINATOR**| Volleyball,IIT Patna

WORK EXPERIENCE

D.E SHAW GROUP | Software Developer
june 2022 - present
• Implemented multiple asset class-based portfolios using novel methodologies that required developing full-stack application for **new investment techniques, enhancements, feature additions** from stakeholders on a regular basis.
• **Constructed** several instrument cards and **improved the portfolio performance** by designing an **scalable** and **robust** backend, frontend architecture for varied dimension data assessment strategies.
• Technologies used: **React,python,Node.js,JavaScript,CSS,Redux,Express,Mongo**.
• Internal Frameworks used: **DJS,spyc,datab,dpysrv,stuic,shawcache**.

EXPEDIA GROUP | Software Development Intern
may 2021 - july 2021
• Implemented Lodging UI convergence model which creates a **consistent** platform to **converge** on common UI technology and design for **3** LOB's.
• **Reduced complexity** of the design interface by integrating existing component libraries and design systems using **React UI components**.
• Techologies used: **HTML,CSS,JavaScript,Jquery,Bootstrap,React,Catalyst**.

WEINVEST,INDIA | Software Development Intern
Nov 2020- Jan 2021
• Introduced **new feature** that simplifies recording and tracing **historical** changes to data using time-travel gem.
• Exercised on storing **time dependant data** records using **postgreSQL** to represent both the history of the facts and the history of changes to records in the database.
• Technologies used: **Ruby,Ruby on rails,postgreSQL**.

INFOSOFT, CALIFORNIA ,US | Machine Learning Intern
Sep 2020-Nov 2020
• Developed **Resume parser** which converts unstructured resume data into structured machine-readable format and analyses it to extract the key information.
• Technologies used: **Python,Regex,Tensorflow**.

PROJECTS

CELEBRITY PROFILING | Source code | Prof. Sriparna Saha
Jan 2020-May 2020
• Predicted **4 traits** of the celebrities like age, gender, fame, and occupation based on their Twitter account feeds using **Python,Tensorflow,Keras.**.
• Built **logistic regression,Naive Bayes** classifier model for classification which single-handedly achieved an **accuracy** of **88.31%**

RAINFALL PREDICTION | Source code | Weather news,japan
Jan 2021
• Implemented an **end-to-end application** for predicting rainfall in various cities of japan using a proprietary Machine Learning model.
• Developed **User friendly UI** interface that uses **REST API** to consume the Machine Learning model for predictions using **Python,Scikit-learn,flask,HTML,CSS,Javascript.**.

ACHIEVEMENTS

• Secured **204th** rank in **ACM ICPC Regional round 2020**.
• Qualified for **Girl Script Summer of code** (GSSOC'21 Participant | Source code).
• **Global rank:1500** in International Maths Olympiad 2011.
• **AIR 2842** rank in JEE Mains 2018 and **AIR 4632** rank in JEE Advanced 2018.