

Samiksha Gupta

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Education

Indian Institute of Information and Technology

Master's of Technology - Data Engineering; GPA: 9.73

Allahabad, India

Sept 2020 - Current

Shri Govindram Seksaria Institute of Technology and Science

Bachelor of Engineering - Electronics and Telecommunication; GPA: 7.44

Indore, India

July 2013 - June 2017

Experience

Infosys

July 2018 – September 2020

Frontend Developer

Pune, Maharashtra

- Developed the front-end of a B2B admin portal using Angular 6 for an overseas telecommunication service provider
- Worked on Agile methodology for development process, delivered 95% of user stories with zero defect within the deadline
- Implemented Lazy loading to load a large list of users, reducing load time by 72 % by enabling API calls to be made by page numbers rather than loading the complete list.
- Implemented Authorization using authguard, so that users can't access any route URL without authentication
- Worked cross-functionally with design team and recommended new UI ideas such as to implement graphs and charts to show active or inactive line number
- Mentored 12 team members on project flow, testing tools, Karma, and Jasmine

Projects

Lung Cancer Detection using Deep Learning | *Python, Deep learning*

June 2021

- Detected early stage lung cancer by using 3D CNN and Transfer Learning, via image processing of CT scans
- Performed Exploratory Data Analysis and Statistical Analysis to filter the benign and malignant images
- Achieved 99.45% 94.5% accuracy, reduced false positive rate to 0%, for 3D CNN and Transfer Learning model respectively

Seamless online/offline retail system | *Angular, Google Firebase*

March 2021

- Developed a prototype that allows customers to buy online and collect offline, or vice versa to avail discounts
- Implemented retailer login feature, facilitating QR code cancellation and confirmation of the customers' orders by retailers
- Integrated Google maps to locate nearby stores, and Firebase backend to store & sync user data in real time

TransAct – simplified banking solution | *C++, Binary File*

November 2020

- Developed a banking software using C++ by following agile methodology exhibiting a modular structure
- Decomposed the functionalities into six modules namely, Deposit, Withdraw, Open Account, Fund Transfer and Admin Portal
- Implemented object-oriented programming practices such as inheritance to create different account types and databases

Market Analysis Using Text Vectorization | *Python, NLP, Naive Bayes*

April 2021

- Classified the stock price movement using Naive Bayes Multinomial classifier based on Textual news headlines
- Performed text vectorization using 'Bag of Words' and 'TF-IDF Vectorizer' model.
- Achieved an accuracy of 85.6% with Naive Bayes followed by an improved 88.7% with the Naive Bayes-TF-IDF combination

Hoopla E-Shop | *Angular, Node.js, MongoDB*

May 2018

- Developed a single-page application leveraging MEAN stack to handle user authentication and authorization
- Implemented various functions adopting readability and maintainability best practises such as linting and minification
- Used microservices to implement three independent services: Cart, User, and Product, that operate together seamlessly

Technical Skills

Languages: C++, C, Python, HTML/CSS, TypeScript, SQL, NoSQL

Tools: VS Code, Kibana, Elastic Search, Weka, NVDA, Colab

Technologies/Frameworks: Angular, Bit Bucket, Rally, GitHub, Karma, Jasmine, Google Firebase

Achievements

- Myntra HackerRamp - WeForShe 2021: Team proposal to develop an Ecommerce-based prototype was shortlisted for the implementation stage
- Secured 1530 rank worldwide in the Biweekly Leetcode Contest
- Scored 98.5 percentile in GATE 2020 while pursuing full time job as frontend developer at Infosys
- Scored 91.5% during Infosys Mysore Training and was recognised as a high performer (Top 5 percentile)
- Represented college in Kho-Kho nodals and regionals and was chosen for the nationals squad