

Abhishek Pratap Singh

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EXPERIENCE

- Tata Consultancy Services** System Engineer, (Research & Innovator, Full-time)
iMobile 3.0 - Backend Developer August 2021 - Present
 - Worked on ICICI iMobile App 'EasyPay' Project as a Tester
 - API testing with postman and testing of codes using UAT and work-logs.
 - Technologies: Java, Postman, Eclipse IDE, MySQL.
- Reliance Jio Platform Ltd, Navi Mumbai, India** ML Engineer
Internship (WFH) January 2021 - July 2021
 - Work Permit Text Analytics:** Text processing on large scale data, filter keywords based information using NLP.
 - Data Engineering Project (Temp.):** Created various Regression models for analyzing & prediction of future values.
- Sardar Vallabhbhai National Institute of Technology, Surat** Part Time Teaching Assistant
Teaching Assistant (Part-time) August 2019 - December 2020
 - Lab - Data Structures, Algorithms, Basic Web Designing & DBMS:** Delivered lectures & guidance to U.G., responsible for preparing practice-sheets and evaluations of Algorithms and Data Structure material.

EDUCATION

- Sardar Vallabhbhai National Institute of Technology** Surat, India
Master of Technology - Computer Engineering; CGPA: 7.47 August 2019 - July 2021
- Graphic Era Hill University** Dehradun, Uttarakhand
Bachelor of Technology - Computer Engineering; CGPA: 8.63 (Silver Medalist) August 2014 - July 2018

TECHNICAL SKILLS

- Languages:** C, C++, Python, Java, MySQL
- Frameworks:** Numpy, Matplotlib, Keras, Hibernate ORM
- Tools & IDE:** VSCode, Eclipse, Dev-C++, Jupyter Notebook, GIT, Bitbucket
- Platforms:** Ubuntu, Windows, Kali-Linux
- Soft Skills:** Confident, Responsible, Learning Agility, Teamwork, Leadership, Analytical & Problem Solving ability

PROJECTS

- Credit Card Fraud Detection Using Reinforcement Learning (Machine & Reinforcement Learning):** (August 2020 - Present)
 - Used a deep learning for the identification of credit card frauds using the LSTM model.
 - Algorithm was trained and tested using highly imbalanced Kaggle dataset of credit card frauds using undersampling & oversampling.
 - Tools used: Python, Keras, Scikit-learn, WANDB, Jupyter Notebook
- Signature Verification Using Shallow CNN (Convolutional Neural Networks, Image Processing):** (January 2021 - August 2020)
 - Built offline signature verification algorithm to check whether signatures are genuine or forged.
 - Algorithm was trained and tested using BH260 Hindi and Bengali dataset. Achieved 82 % Accuracy on testing.
 - Tools used: Python, Keras, OpenCV, Scikit-Learn
- Buyer's Place - An online Platform for all Services (Next Billion Users):** (August 2017 - July 2018)
 - Created an online e-commerce platform for providing services to all kinds of local business.
 - Map based framework with smart search for the users. User can search the service in the nearby range with different types of filters.
 - Tools used: Python, Django, SQLite, ORM, Bitbucket, JavaScript, HTML5, CSS

ADDITIONAL EXPERIENCE & AWARDS

- Graduate Aptitude Test in Engineering:** (March 2019)
 - Received 563 GATE Score & 2966 all India rank.
- Training & Placement Coordinator - B.Tech CS & IT, GEHU, Dehradun, Uttarakhand:** (June 2016 - July 2018)
 - Managed & promoted all the placements drives & campaigns in the university.
- Certifications of C, Java & Linux Trainee by Spoken Tutorial Project, IIT Bombay:** (April-November 2016)
 - Received above 90% in all three certification exams
- Certified Ethical Hacker v9 Certification by EC-Council, USA:** (January 2016)
 - Successfully completed the certification of CEH version 9 with an aggregate of 85%.
- 44th KVS National Sports Meet - Football Nationals:** (October 2013)
 - Participated in the State Level KVS Football tournament held in K.V. Chandigarh.