CONTACT

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EDUCATION

DELHI TECHNICAL CAMPUS
(Affiliated to Guru Gobind Singh Indraprastha University)
B.Tech, Computer Science

2020-24 •CGPA(till 6th sem): 8.9

ST. DOMINIC SAVIO COLLEGE
ISC Examination
Intermediate in PCM

2019 •Score: 86.5%

ICSE Examination
High School

2017 •Score: 89.2%

SKILLS

- **Technical Skills:** Machine Learning, Android App Development, Web Development, Data Analysis, Data Science, C#/.NET, Assembly Level Programming, Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Cloud Deployment
- **Programming Languages:** C, Java, Python, C++, C#, JavaScript, SQL
- **Frameworks:** .Net, Flask, Pandas
- **Soft Skills:** Programming, Project Management, Team Leader, Quick Learner, Innovative, Diplomatic
- **Platforms:** MS Office, Visual Studio Code, Android Studio, Microsoft Visual Studio, GitHub, Amazon Web Services, Cisco Packet Tracer, Power BI
- **Languages known:** English, Hindi, Bengali, French

HOBBIES

Writing, Reading, Music, Trivia

Debargha Chowdhury

COMPUTER SCIENCE STUDENT

EXPERIENCE

MACHINE LEARNING INTERN CODSOFT.
Aug 2023 – Sep 2023

Applied machine learning during a month-long internship, honing skills in data preprocessing, algorithm selection, and model tuning while emphasizing alignment with business objectives, enhancing problem-solving abilities through data challenges.

NETWORK ENGINEERING INTERN CISCO NETACAD.
May 2023 – Jul 2023

Focused on designing a network simulation for an organization, incorporating sniffers and cybersecurity measures.

PROJECTS

CYPHERCRAFT – A FILE SECURITY APPLICATION USING RIJNDAEL ENCRYPTION

- Facilitates enhanced file security on mobile phones by using key synchronization with PC
- Technology utilized: Android Studio, Java, C#/.NET, XML
- Key achievements: Recognized as the best project in college. Research Paper published under RTACR conference, Dec 2023

TWEETOCRACY: CRAFTING ELECTION PROJECTIONS THROUGH ADVANCED SENTIMENT ANALYSIS AND PREDICTIVE MODELING

- Utilized real time data from X(Twitter) to predict election results based on sentiment analysis
- Technology utilized: Python, Flask framework, VADER (Sentiment Analysis), Recurrent Neural Network, GPT-3.5 model

BLOG APPLICATION USING FLASK

- A web-application where different users can post, update, and delete their blogs. Efficient user authentication system, with features to reset passwords if needed
- Technology utilized: Python, Flask framework, Bootstrap, JWT, SQLAlchemy, Blueprints, HTML, CSS

NOTABLE ACHIEVEMENTS

- Authored "The Room of Death," a crime thriller soon to be published.
- Served as Student Head of the Editorial Board at my school for the academic year 2018-19.
- Team Leader for the project, CypherCraft, which bagged the first prize in college
- Scored 463 (out of 1000) in GATE 2023
- Achieved a percentile of 95.27% in CAT 2023

REFERENCES:

Ms. Madhumita Mahapatra
Assistant Professor
Delhi Technical Campus, Greater Noida
E-mail

Ms. Seema Verma
HOD, Department of CSE
Delhi Technical Campus, Greater Noida
E-mail

MOVIE GENRE CLASSIFICATION

- The project involved cleaning and tokenizing text data, removing stop words, and applying TF-IDF transformation for effective text classification.
- Utilizing the Random Forest algorithm, the project classified movie genres based on movie titles and summaries, achieving an accuracy of 86% on the IMDb dataset.
- Significant challenges included handling a large and imbalanced dataset, ensuring robust and reliable genre classification.

CREDIT CARD FRAUD DETECTION MODEL

- The project included handling missing values, encoding categorical variables, and scaling numerical features to ensure accurate predictions.
- Utilizing a decision tree algorithm for classification, the project achieved an impressive accuracy of 99.57% on the credit card transaction dataset.
- One of the key challenges tackled was dealing with the imbalanced nature of the dataset, ensuring robust and reliable detection of fraudulent transactions.