Tanmay Chakrabarty

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Education

SRM University **Sep. 2020 – June 2024**

Bachelor of Technology in Computer Science Engineering *Chennai, Tamil Nadu*

Relevant Coursework

- Data Structure and Algorithms
- Object-Oriented Design and Programming
- Design and Analysis of Algorithms
- Software Engineering and Project Management
- Artificial Intelligence
- Machine Learning In Drug Discovery
- Data Mining and Analytics
- Database Management Systems
- Database Security and Privacy

Experience

Deloitte Consulting **July 2024**

Business Technical Analyst *Mumbai, MH*

- **Integrated Oracle solutions with critical boundary applications as part of the integrations team**. Designed and implemented PL/SQL packages for a leading U.S. utility provider serving 10M+ customers, improving EPM middleware efficiency by 73%.
- **Analyzed functional design documents for technical feasibility**, ensuring timely project progression while mitigating risks and meeting milestones. **Authored detailed technical design documents** to enhance communication and alignment with business processes, streamlining the development lifecycle.
- **Deloitte-certified in** Oracle Fusion Applications, BI Publisher (BIP), Financial Reporting Studio (FRS), Oracle Integration Cloud (OIC), SQL, PL/SQL, Python, and Robotic Process Automation (RPA). Developed a strong understanding of Boomi integration concepts and its applications in project workflows.

Infosys **April 2023 – May 2023**

iOS Application Developer intern *Chennai, TN*

- Led a 10-member team to create a full-stack iOS hospital management application, meeting a challenging 20-day deadline and reducing development time by 54%.
- Implemented Agile practices, such as stand-ups and sprints, optimizing development processes and enhancing application workflow efficiency by 33%.
- Worked with Node.js and MongoDB for scalable backend implementation. Played an instrumental role in the requirement gathering and design discussions, providing valuable insights. Used Jira ALM to track project progress, report problems, and manage sprint backlog.

Zooked India **May 2022 – August 2022**

Product Design Intern *Bangalore, KA*

- Researched and designed modules for a cross-platform app providing SaaS for group booking aggregation, resulting in a 25% increase in user engagement.
- Translated business requirements into UI and high-fidelity mock-ups, leading to a 30% improvement in user comprehension and a 20% reduction in development time due to clearer communication of the envisioned design of the final product.
- Employed A/B testing methodologies to optimize user interface elements, resulting in a 10% improvement in conversion rates and a 20% increase in revenue generation through the platform.

Projects

Capital Asset Pricing Model Analysis | *Python, Pandas, NumPy, Streamlit* **June 2023 - Present**

- Employs CAPM methodology to assess the expected returns of S&P 500 stocks, considering their systematic risk (beta) and the overall market risk. This sophisticated model enhances investment decision-making by providing insightful predictions on potential returns.
- Seamlessly integrates with Yahoo Finance to retrieve real-time stock data for companies listed in the S&P 500 index. Utilizes Pandas for robust data manipulation and NumPy for efficient numerical computations, ensuring accurate analysis.
- Utilizes Streamlit and Plotly to create an intuitive and visually appealing user interface. Employs interactive charts and graphs to present analytical findings, enabling users to comprehend complex financial data effortlessly.

EDA Based On NBA Shot Logs | *Python, Pandas, NumPy, Seaborn* **January 2023**

- Leveraged the rich "shot_logs" dataset to conduct a thorough examination of shot-related statistics, including game ID, shot outcomes, player information, and defensive attributes. Employed advanced data manipulation techniques to extract meaningful insights and identify patterns crucial for decision-making.

- Utilized shot logs to assess player performance, including metrics such as shots made, shots blocked, and defensive effectiveness. This analysis serves as a foundation for recognizing standout performers eligible for prestigious awards such as the "Best Defensive Player" or "Most Valuable Player" based on their on-court contributions.

R Project Portfolio | *R, Statistics* **Auguts 2023**
- offers a glimpse into the depth and breadth of my expertise in exploratory data analysis (EDA), statistical analysis, and predictive modeling using R. include:
  1. Billboard_top_100 - TidyTuesday dataset, exploring insights on Billboard's top 100 songs.
  2. US_Colleges - Kaggle dataset, analyzing trends in US colleges' data.
  3. Health Insurance - Kaggle dataset, investigating factors affecting health insurance premiums.
  4. Housing - Extracting housing data from the Magic Bricks website for analysis.

Technical Skills

Languages: C/C++, R, Python, JavaScript, Swift, HTML/CSS, MySQL,Oracle SQL/PLSQL
Developer Tools: Oracle Fusion Applications, Business Intelligence Publisher (BIP), Financial Reporting Studio (FRS), Oracle Integration Cloud (OIC), Boomi, AWS, Google Cloud Platform, Xcode, Jira, Git, Docker, Postman, Insomnia, MS Office Suite, Selenium
Technologies/Frameworks: Machine Learning (pandas, NumPy, streamlet, scikit-learn) , Linux, ReactJS, NodeJS

Certifications

- Financial Markets (with Honors) - Yale University
- Game Theory - Stanford University
- Google Data Analytics Specialization- Google
- Excel Fundamentals - Corporate Finance Institute® (CFI)
- Data Analytics Consulting Virtual Internship Program Participant - KPMG Australia
- Google UX Design Specialisation - Google
- Google Cloud Digital Leader Certification
- Boomi Professional Integration Developer Certification