Nikhil Anu

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Education

University of Manchester   Sep 2023 - Sep 2024
M.Sc Advanced Computer Science (AI Specialisation)   *Manchester, UK*
- **Relevant Coursework:** Machine Learning, Representation Learning, Text Mining, Data Engineering, Computer Vision

National Institute of Technology Tiruchirappalli   Aug 2017 - May 2021
Bachelor of Technology in Computer Science Engineering (GPA: 8.21 / 10.00)   *Tamil Nadu, India*
- **Relevant Coursework:** Data Mining and Data Warehouse, Data Structures and Algorithms, Operating Systems, Database Management Systems, Software Engineering, Computer Networks, Data Science

Experience

Citi Services India Pvt Ltd.   Jul 2021 – Aug 2023
Technical Analyst   *Chennai, India*
- Spearheaded the divestiture project for Bahrain, seamlessly integrating technology and finance to safeguard data integrity and ensure smooth transition to new management, completing the project 2 weeks ahead of schedule.
- Innovated a business solution by creating a tool for automated data flow extraction, reducing manual labor and achieving $160,000 in annual savings.
- Conducted business requirement analyses, designed ETL solutions using DataStage, and managed data migrations across Oracle database, Teradata, HDFS/Hive via Sqoop, with MySQL for backend configurations.

Samsung Research India Bangalore   May 2020 – Jul 2020
Software Engineer Intern   *Bangalore, India*
- Developed an Android application to measure KPIs for Mission Critical Push to Talk (MCPTT) services to ensure high reliability and performance of emergency communication systems.
- The application focused on developing tools which involve measuring metrics such as latency, quality of service.
- Collaborated with IMS team to seamlessly integrate the MCPTT application into the existing communication infrastructure, enhancing system efficiency by 15%.

University of Houston   May 2019 – May 2020
Research Intern   *Texas, USA*
- Analyzed Automatic Text Summarisation using Data Mining techniques, examining the disparities between human-generated summaries and original texts.
- Identified a 40% efficiency improvement in generating summaries compared to traditional methods.
- Published the findings at the DocEng'2020 on Extractive Text Summarization.

Projects

SocialSight Analytics Dashboard | *Python, JavaScript, TensorFlow, NLTK, React.js, Node.js, MongoDB*
- Built a social media monitoring and brand management dashboard, employing machine learning techniques for real-time sentiment analysis, trend detection, and brand mention tracking across different platforms.
- Employed TensorFlow for building predictive models, alongside NLTK for extracting insights through NLP.
- Created an intuitive UI with React.js, built the backend with Node.js and Flask, interfaced with MongoDB.

Data Flow Tracking System | *Python, Javascript, Django, Bootstrap, MYSQL, Teradata, Oracle, Pyspark, Datastage, ETL*
- Led the development of a tool at Citi that enables in automating the extraction and visualization of the complete data flow from initial host files, through driver tables, to ultimate target tables.
- The tool significantly enhanced operational efficiency, reducing time spent on data flow tracking by 160 man hours and increasing transparency across data processing stages.

Technical Skills

Languages: C++/C, Python, Node.js, Flask, Java, Swift
Technologies: React.js, Angular, Kafka, Django, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap, Node.js, Android SDK, iOS SDK, Oracle DB, MYSQL, Unix, Big Data, RDBMS, AWS Cloud, Microsoft Azure, Pandas, Numpy, Docker, Hadoop, Linux, Apache Spark, Power BI, Tableau, Apache Airflow, Kubernetes, SQL, NoSQL, Data Lake, SAP
Tools: Bitbucket, git, Jira, Datastage, MS Excel, Jenkins