

Nikhil Ravikumar Bhoopalam

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EDUCATION

Stevens Institute of Technology, School of Business

Expected May 2024

Master of Science in Business Intelligence & Analytics

Hoboken, NJ

Concentration: Data Analytics (Provost Scholarship Award)

GPA:3.820/4.00

Relevant Courses: Data Warehousing/ Business Intelligence, Data Analytics & Machine Learning, Multivariate Data Analysis, Web Mining, Social Network Analysis, Optimization & Process Analytics, Big Data, Marketing Analytics, Supply Chain Management

Visvesvaraya Technological University | PESITM

Oct 2020

Bachelor of Engineering in Information Science and Engineering

India

SKILLS

Programming:	Python, R, Java, SQL, C, C++
Cloud Foundations:	AWS (IAM, S3, EC2, VPC, Lambda, CloudFormation), GCP (BigQuery, Dataproc)
Data Analytics Tools:	Tableau, Power BI, SAS, RStudio, Microsoft Excel, Jupyter Notebooks, Google Colab
Technologies:	HTML, CSS, JavaScript, Dart, Flutter, Git, Visual Studio
Certifications:	Data camp course for Data Scientist with python Harvard Manage Mentor Fundamentals of Consulting Google's Introduction to Generative AI
Databases:	RDS, Aurora, DynamoDB, Redshift
Data Engineering:	PySpark, SQL, Hadoop, Airflow, Linux, Hive, Spark

ACADEMIC PROJECTS

Customer Analysis in the Marketing Strategy of Huawei through Social Network Analysis

- Optimized Huawei's multi-platform marketing campaigns using advanced social network analysis. Applied community detection (Louvain), network analysis, and sentiment analysis to identify influencers and guide strategic decision-making. Achieved a 30% engagement increase, 20% boost in click-throughs, 15% lead generation rise, and 25% customer satisfaction improvement.

Real-Time Fraud Detection with Big Data

- Optimized fraud detection model deployment across multiple cloud platforms (GCP, Databricks, Colab). Analyzed a massive financial dataset (12M+ transactions) to ensure the best fit for platform strengths, dataset size, and data preparation needs.
- Successfully designed and deployed a real-time fraud detection system on Google Cloud Platform, achieving 98.3% accuracy (AUC: 0.997). Utilized advanced techniques in PySpark MLlib, data preparation, and model tuning for maximum financial protection.

EXPERIENCE

Stevens Institute of Technology

May 2023 - Feb 2024

Data Analyst

Hoboken, NJ

- Designed the architecture, user interface (UI/UX), and navigation of the website using a hierarchical approach to maximize usability, leading to university-wide adoption, a 30% reduction in support inquiries, and enhanced user experience through iterative feedback.
- Improved security and streamlined student ID access by analyzing access logs, generating reports resulting in a 25% reduction in access issues and a marked increase in data accuracy, thereby boosting user trust and satisfaction.
- Boosted B2B revenue by 15% by analyzing campus and merchant spending trends, leading targeted Grubhub collaborations to resolve payment issues and design effective promotions, enhancing merchant engagement and transaction efficiency.

Stevens Institute of Technology

Jan 2023 – May 2023

Peer Ambassador

Hoboken, NJ

- Increased graduate student career event attendance by 20% through innovative marketing strategies, COPA Office collaboration, career workshop coordination, industry networking, and focus group-driven engagement initiatives.

Stevens Institute of Technology

Aug 2022 – May 2023

Graduate Assistant

Hoboken, NJ

- Designed and implemented a web-based portfolio system to streamline research project showcases, optimize recruiter access, and enhance the hiring process, ensuring superior platform performance.

Software For Mankind

Oct 2020 – Aug 2022

Software Developer

Bengaluru, India

- Accelerated mobile app development for clients using Flutter and Amazon Amplify which reduced development time by 30%.
- Championed quality and timely delivery within a cross-functional Agile team, using code review and Git to resolve bottlenecks and achieve a 75% on-time delivery rate.

Invetron Technologies

Aug 2019 – Oct 2019

Data Science Intern

Bengaluru, India

- Developed a predictive machine learning model to analyze financial market trends, leveraging industry-standard tools (Keras, Pandas, Matplotlib) and processing thousands of data points. Led a 5-member team, delivering the project on time and aiming to improve investment decision-making, with demonstrated leadership and communication skills.