

Bharath Kumar Sampath

+1(484)-767-7231 | bharath@lehigh.edu | linkedin.com/in/bharath-kumar-sampath-811156157 | github.com/bharathkumar223

EDUCATION

Lehigh University, Bethlehem, PA

Expected Graduation: May 2023

Master of Engineering in Management Science and Engineering

Cumulative GPA: 3.46

Bachelor of Science in Computer Science and Engineering

Relevant Courses: Optimization Models & Applications, Applied Data Mining, Machine Learning, Product Quality, Computer Vision, Stochastic Models and Applications, Financial Optimization, Time Series Analysis

Awards: MoneyView Hackathon First Place, Rajeshwari Vishwanathan Scholarship, Lehigh 1-Credit Scholarship

TECHNICAL SKILLS

Languages: Java, C++, C, Python, SQL, AMPL, JavaScript, HTML, CSS, R, MATLAB, Mongo DB

Technologies: React, Node, Handlebars, Server Side Rendering, Excel, Minitab, IBM Statistics

WORK EXPERIENCE

Project Consultant

June 2022 – August 2022

Under the mentorship of Prof. Charalambos

Bethlehem, PA

- Designed and implemented a web crawler that surveyed over 5,000 dog owners, gathering data on their feeding habits, exercise routines, and preferred types of food.
- Employed survey findings to craft Python scripts for data analysis, including cleaning, visualization, statistical modeling, and prediction, delivering valuable insights to the client for their dog obesity publication.

KKNT First Main Pvt Ltd

December 2021 – January 2022

Software Engineer

Bangalore, India

- Designed and developed a user-friendly front-end web interface, utilizing natural language processing, for navigating a vast selection of ETFs, mutual funds, and model portfolios on the platform Magnifi.

Convision Private Limited

January 2021 – June 2021

Mobile Application Developer

Bangalore, India

- Engineered a robust backend system and user-friendly Android and iOS front-end application interface, powering community planning for over 30 South Korean universities, to drive business success.

MoneyView

January 2019 – August 2020

Software Engineer

Bangalore, India

- Revolutionized loan repayment for customers by expertly designing and developing a streamlined payment system, complete with flexible scheduling options, to maximize efficiency and drive business growth.
- Elevated loan management efficiency by creating powerful dashboard applications, enabling monitoring and maintenance of customer profiles and disbursed loans, resulting in increased productivity and improved customer satisfaction.
- Optimized website performance by utilizing Handlebars, resulting in a 30% increase in loading time, and collaborated effectively with the production team to swiftly resolve code bugs to ensure a seamless user experience.

PROJECTS

Sports Application (Cricket) | Mobile Application

August 2018

- Developed an android application using Java to get information from an API on matches that are happening at that particular time specifically in India. The API contains information of live cricket matches.
- Designed and developed the android app interface to display the matches information and live score for the selected match by the user. Modules and screens are added to display the information of the players.

Soil Moisture Detection | Undergraduate Project Capstone

May 2017

- Detection of moisture of soil on different farming lands using sensors and analysing the data for future heuristics. The plants would be watered when the moisture content in the soil goes below a certain threshold. Used soil moisture detection sensor to detect the soil moisture.
- Used arduino Uno to detect the moisture level and make decisions on when to water the plants based on the plants species and water requirement. This data is used for further research analysis to understand patterns.

Email Scraper | MoneyView Hackathon

April 2019

- Written Java code, to get bank statements from gmail of a customer using gmail API provided by Google. This reduced the sign up process for the customer and increased the retention rate by 20%. Written java code to parse the bank statements, using hyperverge libraries and save to the backend database

LEADERSHIP EXPERIENCE

Innolat Technologies

May 2018 – August 2018

Technical Associate Intern

Remote

- Designed and developed marketing strategies and at the same time evaluating the efficacy of the MVP product released by Innolat Technologies

Industrial and Automation Lab

January 2022 - May 2022

Graduate Assistant

Bethlehem, PA

- Conducted Robotics and Automation Lab for undergraduate students, managing itinerary groups of students while maintaining the safety and decorum of the lab equipment interactions.

Introduction to Programming

August 2022 – December 2022

Teaching Assistant

Bethlehem, PA

- Designed and developed ways to improve the performance of students while managing a group of graders to grade the assignments and exams on-time