

Kanishk Barhanpurkar

Binghamton NY | (607)313-0134 | kbarhanpurkar@gmail.com | linkedin.com/in/kanishk-barhanpurkar/
github.com/kanishkb1 | google-scholar.com/kanishkb

Education

Binghamton University, State University of New York

Dec. 2022

Master of Science, Computer Science

Visvesvaraya Technological University, Karnataka, India

Nov. 2020

Bachelor of Engineering, Computer Science & Engineering

Technical Skills & Certifications

Programming Languages: C, Python, Java, Javascript

Web Frameworks: HTML, CSS, Wordpress, OmniCMS, Bootstrap, ReactJS, Flask

Databases: MYSQL, PostgreSQL, Oracle DB, MariaDB

Cloud Technologies: Google Cloud Platform, Docker, Kubernetes, AWS, AWS SAM, AWS Lambda, AWS S3, AWS Beanstalk

Data Visualization and Reporting: Tableau, MS Excel, Microsoft Office, Google Suite

Relevant Courses: Operating System, Computer Architecture, Design Patterns, Programming Languages, Data Structures & Algorithms, Intelligent Mobile Robotics, Introduction to Cloud Computing, Independent Study, Termination Project.

Professional Experience

Graduate Research Assistant at Binghamton University | Binghamton, NY

Jan. 2022 - Present

- Develop end-to-end machine learning models for correlating and predicting the effect of nutrition intake on mental health for data-set consisting of 247 individuals

Graduate Teaching Assistant at Binghamton University | Binghamton, NY

Sep. 2021 - Present

- Delivered support and guidance with daily coding assignments and lecture materials for course DATA 502- Data Analytics & Machine Learning in Fall 2021 Semester

Software Engineer at Saarva Research & Innovations | Bengaluru, India,

Aug. 2020 - July 2021

- Analyzed risk-based methodology for detection of diseases through fitness bands data-set containing 1.5 million ECG-signals
- Built end-to-end machine learning models for generating optimum results of health data with 84.66% accuracy

Relevant Projects

E-learning Catalogue deployed on Serverless Architecture | [Link] | Team Members: 3

July 2022

- Created Django-based application which contains information related to 324 universities' e-learning courses
- Deployed using AWS SAM, AWS Lambda, and Zappa for Serverless architecture and increase response time by 28%

Movie Review System using Microservices | [Link] | Team Members: 4

May 2022

- Utilized Google Natural Language API for classification of IMDB movie reviews and devised a scoring mechanism for movie verdict
- Designed a bootstrap and flask-based web application to show movie verdict and containerized using Docker

Chat Server using Microservices | [Link] | Team Members: 2

March 2022

- Designed a chat-server system and containerized on native system, containerization and orchestration
- Evaluated the working of containerized chat-server on containerization and orchestration techniques

Pipeline Simulator | [Link] | Team Members: 2

March 2022

- Created a pipeline simulator and worked on code from scratch for cycle-by-cycle for 3 processing stages in C Language
- Build additional features based on architecture processes like execution, register fetch and writeback

Leadership Experience

Alumni Relations Chair at Indian Graduate Student Organization | [Link]

Aug'21 – May'22

- Collected and maintained record of the 152 Alumni graduated from Binghamton University
- Conducted career-associated seminar series for current graduate student batch for different departments

Achievements

- Published 18 research papers in SCI, Scopus & PubMed indexed journals
- Selected for ODSC West 2020 Conference Scholarship for outstanding personal achievement in field of Data Science