

Mukul Patnaik

Data scientist

mukulpatnaik@gmail.com

Boulder, CO

www.mukul.dev

github.com/mukulpatnaik

EXPERIENCE

Intuit Inc, remote — *Backend Python Developer*

May 2022 - August 2022

Worked as a contractor through Persistent Systems with the sales org team building multiple backend lambdas for Quickbooks Desktop crm and splunk dashboards for monitoring APIs

Persistent Systems, Bangalore, India — *Data Science Intern*

May 2020 - September 2020

Worked with a team on multiple machine learning projects and conducted comparative analyses of different models, optimisation, and boosting.

Gyansys Inc., Bangalore, India — *Java Developer Intern*

May 2018 - September 2018

Shadowed a team of developers to learn how to build APIs to communicate with Salesforce and AWS, perform unit tests and ship features inside a company

PROJECTS

researchGPT — Open Source AI web app

2k+ stars on Github, 100k+ views, 20k+ unique users

An open-source LLM based research assistant that allows you to have a conversation with a research paper.

FREELANCE/CONTRACT WORK

15rock, Toronto, CA — Software Engineer

February 2023 - March 2023

Worked on integrating my open source project researchgpt with 15rock's client documents to help with their climate focused risk analysis.

PUBLICATIONS

“A digital art renaissance, led by Generative AI”, Cutter

April 2023

Mukul Patnaik, Prof Aswani Kumar Cherukuri and Dr. Sudhir Kumar Patnaik, <https://www.cutter.com/journals/amplify>, A Business Technology Journal, Status: Reviewed and Accepted For Publication, April issue 2023.

SKILLS

Python, R, SQL,
JavaScript, Java, HTML,
and CSS

Machine learning with
sci-kit learn and Pytorch

Data visualization in
Tableau

Excellent written and
verbal communication

Attention to detail

Fast, high-apitude
learner

EDUCATION

University of Colorado, Boulder — **B.S. Information Science**

August 2021 - June 2023

University of Washington, Seattle — B.S.

September 2019 - June 2021

Indus International School, Bangalore — **Higschool diploma**

June 2017 - May 2019

RELEVANT COURSEWORK

STAT 4000 - Statistical Methods and Applications

University of Colorado, Boulder

Intermediate data analysis, probability theory, statistical inference, and data modeling with applications in the R programming language.

CSE/STAT 414 Intro to Machine Learning

University of Washington, Seattle

A thorough grounding in the methodologies, technologies, and algorithms of machine learning in python.

INFO 2301 - Fundamental Concepts in Data Science

University of Washington, Seattle

Introduces methods for quantifying different types of data, covering foundational concepts in discrete mathematics, probability, and predictive modeling.

CSE 163 - Intermediate Data Structures

University of Washington, Seattle

Focuses more deeply on fundamental programming concepts and various data science libraries including scikit learn, and Pandas data frames.

VOLUNTEER WORK

University District Food Bank, Seattle, WA— *Volunteer*

January 2020 - March 2020

Volunteered in running the daily administrative tasks of the food bank including the front register, and managing their database and daily logs.

CUPA Second Chance Adoption Center, Bangalore, India — *Volunteer Administrative Assistant*

December 2018 - March 2019

Built and set up a database for their organization and tasks such as transfer of the website, social media management and maintaining clientele and adoption records.