ABHIGYAN BHOWAL

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PROFILE

Proficient Big Data Developer with 2 years of experience in designing, testing, and coding database solutions in Hadoop, skilled in Hive/SQL, Scala, Python, and Spark technologies.

Results-driven individual passionate about data analytics and big data, ready to tackle complex challenges and build a long-term career by leveraging technical expertise to meet organizational needs.

EDUCATION

MSc Data Science   Sep 2024 — Sep 2025

King's College London, London, UK

- Core Modules: Pattern Recognition, Neural Networks and Deep Learning, Big Data Technologies, Data Mining, Computer Vision

Bachelor of Technology(BTech), Electronics and Communication Engineering   Jun 2018 — Jun 2022

Vellore Institute of Technology(VIT), Vellore, India

- Core Modules: Object Oriented Programming, Machine learning, Web mining, Digital Signal Processing
- Percentage/CGPA ~ 8.88/10

A Level Equivalent / Class 12   May 2017 — May 2018

Delhi Public School Ruby Park, Kolkata

- **Physics – 95, Chemistry – 95, Mathematics – 93, Computer Science – 90, English – 86**
- **Overall Percentage – 92%**

GCSE Equivalent / Class 10

Delhi Public School Ruby Park, Kolkata   May 2015 —May 2016

- **Science – 10, Social Science – 10, Mathematics – 10, English – 9, Hindi – 10**
- **Overall CGPA – 9.8**

WORK EXPERIENCE

Research And Development Intern   Jun 2025 — Present

Yoti Ltd, London, United Kingdom

- Testing of anti-spoofing models, in particular the identification of trends in successful and unsuccessful attacks.
- Testing of age-estimation models, paying attention to confounding variables and algorithmic fairness.
- Participation in R&D team activities, in particular regular Brainstorming sessions and troubleshooting of issues relating to the models that need to be resolved.
- Develop systems to ensure the repeatability of any experiments conducted.

Online Events Assistant (Student Ambassador)   Nov 2024 — Present

King's College London, London, United Kingdom

- Support the production and technical delivery of online events for prospective students, managing content streaming, Q&A sessions, and troubleshooting technical issues in real-time.
- Act as a student ambassador on panels, sharing experiences and providing guidance to help prospective students make informed decisions about joining King's College London.

Digital | Big Data Developer   Jan 2024 — Jul 2024

Tata Consultancy Services (TCS) Standard Chartered Bank Account, Bangalore, India

- Developed Python scripts for masking sensitive bank data and automated the data loading process into external tables using shell scripts
- Budgeted to mask each table in the database which in turn created revenue returns of 18% for the project.
  Tech Stack - Python, Spark, HQL, Shell Script

Digital | Big Data Test Developer   Jul 2022 — Jan 2024

Tata Consultancy Services (TCS) VISA Account, Bangalore, India

- Migrated Hawkeye Application from QA to TRE server, identifying credit settlement risk factors and helping analyze accounts with credit due, saving the client ~$10 million in credit risk.
- Migrated the Atscale Application from QA to TRE, creating a revenue dashboard and setting up the Apache TRE environment with DistCP, saving 9% in time and resources for the VISA client.
  Tech Stack – Hive, SQL, Scala, Spark

Digital Solutions Centre of Automation Intern   Jan 2022 — Jun 2022

AB Inbev, Bangalore, India

- Migrated 5 applications from Automation Anywhere to Blue Prism RPA, supporting SAP and SQL operations, saving ~$1,000 per application and budgeting $5,000 in revenue.

- SAP to Anaplan and Macro to Blue Prism migration projects increased Automation Team revenue by $10,000 and saved 4 hours of critical time for the Operations team.

  Tech Stack – Blue Prism, Automation Anywhere and SAP, Email, Website, Excel Automation

TECHNICAL SKILLS

Proficient: SQL, HQL(Hive), Shell Scripting, Python, Blue Prism, Unix, Scala
Intermediate: Apache Spark, Automation Anywhere, Assembly Language
Beginner: Java Script, R

ACADEMIC PROJECTS

Fruit Recognition System Using Colour and Texture Features using CNN   Jul 2019 – Sep 2019
- Detection of rotten and fresh fruits and vegetable by using colour and texture
- This project is applicable in departmental stores for replacing the rotten groceries with new ones

  Tech Stack: Python (Keras, Tensorflow, matplotlib) libraries employ CNN

Entry Based On Face Mask Detection using CNN, RCNN, Thingspeak   Jan 2020 – Jun 2020
- The college campus implemented this project to detect masks during the COVID-19 pandemic
- Came up with a binary face classifier which can detect whether a mask is present on a face or not by linking the video from camera to the system. Deployed ThingsSpeak to warn students/faculty members without masks

  Tech Stack: CNN using Python (Keras, TensorFlow, Matplotlib) and integrate with ThingSpeak MQTT

Obstacle detection Robot and G mapping   Jan 2021 – Jun 2021
- This project is a great operative for the geologists for studying position issues, map creation and autonomous navigation in untouched terrains
- The SLAM method implemented has proven a way for robots to do autonomous localization and mapping

  Tech Stack: ROS

CERTIFICATIONS

- Machine Learning, Stanford University, Coursera	May 2020
- Neural Networks and Deep Learning, DeepLearning.ai, Coursera	May 2020
- Introduction to Project Management, Coursera Project Network	May 2020
- Introduction to the Internet of Things and Embedded Systems, UCI, Coursera	May 2020
- Fundamentals of Digital Marketing, Google Digital Unlocked	Apr 2021
- Business metrics for Data Driven Companies, Duke University, Coursera	May 2021
- Foundations of Project Management by Google, Coursera	Apr 2021
- Lean six sigma green belt, Henry Harvin	May 2021
- Moving Data Into Hadoop, Cognitive.ai	Aug 2022
- Body Language for Leaders, LinkedIn Learning	Aug 2022
- Establishing Credibility as a Speaker, LinkedIn Learning	Aug 2022
- The Complete Python Bootcamp from Zero to Hero in Python, Coursera	Mar 2024
- Apache Spark with Scala - Hands on with Big Data, Udemy	Aug 2024

EXTRA-CURRICULAR ACTIVITIES

Associate Member Tech Society KCL   Sep 2024 – Sep 2025
As an associate member of the KCL Tech Society, I collaborated on AI and IoT projects while enhancing my skills through workshops in a tech-driven community.

Core Music Club Member(Guitarist and Vocalist) at VIT University, Vellore   Jul 2019 – Jan 2022
Performed in various events in college and in fests. Started a YouTube channel for singing and playing the guitar.

Rotary Club NGO at VIT University   Jul 2020 – Sep 2020
As a member in the Rotaract Club in VIT. Organized a successful donation campaign against child labour. Through this initiative the club raised funds to provide food packets for approximately 375 underprivileged children in Vellore.