Soham Chatterjee

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EDUCATION

CHRIST UNIVERSITY, BANGALORE, KARNATAKA
M.Sc in Data Science, 2023-Present

ST. XAVIER'S COLLEGE (AUTONOMOUS) KOLKATA, WEST BENGAL
B.Sc in Statistics
2020-2023
CGPA: 8.48/ 10.0, First Class

DON BOSCO SCHOOL LILUAH, KOLKATA
2007-2020
Class 10: 96.8%
Class 12: 98.0%

COURSEWORK

POST-GRADUATE
Machine Learning
Full Stack Web Development
DBMS
Cloud Services

UNDERGRADUATE
Inferential Statistics
Time Series, ARIMA
Categorical Data Analysis, ANOVA
Real Analysis, Linear Algebra

SKILLS

Programming Languages
R • Python • Java • C • mySQL
Web Development
HTML • CSS • JavaScript
Data Analysis
Pandas • NumPy • Matplotlib • Scikit-Learn
Tools and Software
VS Code • Jupyter Notebook • Minitab • R-Studio

Soft Skills
Critical Thinking • Team Collaboration • Leadership • Time Management • Quick Learner

LANGUAGES

English, Hindi, Bengali

EXPERIENCE

ROCHESTER INSTITUTE OF TECHNOLOGY, KOSOVO | Research Intern
Sept 2023 - March 2024 | Kosovo, Europe
Worked on optimizing models for diabetes prediction and developed disease recommendation systems, AI for medicine

INDIAN COUNCIL OF MEDICAL RESEARCH NCDIR BANGALORE | Data Analyst Intern
May 2023 - July 2024
Worked on creating interactive dashboards, analysing huge data, missing data analysis, trend analysis and estimation.

PROJECTS

SIRONA HEALTHCARE WEB APPLICATION | Full Stack Web Project integrated with ML
Dec 2023 – January 2024 | Christ University, Bangalore

FLIGHT FARE PREDICTION USING ML | Machine Learning Project
August 2023 | Christ University, Bangalore
Developed a machine learning-based system to predict flight ticket prices.

DANGEROUS HEARTBEAT PREDICTION USING CNN | Currently Working
January 2023 - Present | Independent Research

AI/ML IN SPACE | AI/ML project in space domain (stellar classification, image segmentation, exoplanet analysis, etc.)
March 2024

PUBLICATIONS

OPTIMISING HEALTHCARE: ENHANCING DISEASE MANAGEMENT WITH RECOMMENDATION SYSTEMS | Publication | 2024 Fifth International Symposium on Signal and Image Processing (ISSIP 2024)

HARNESSING INSIGHTS FOR OPTIMIZING HEALTHCARE: DISEASE PREDICTION AND BEYOND | Publication | 2024 Fifth International Symposium on Signal and Image Processing (ISSIP 2024)

MISLEADING STATISTICS OF COVID-19 HIGHLIGHTING SIMPSON'S PARADOX | Departmental Magazine, Department of Statistics, St. Xavier's College, Kolkata
Apr 13, 2021

SNOWBALL SAMPLING TECHNIQUES | Departmental Magazine, Department of Statistics, St. Xavier's College, Kolkata
March 2022

CERTIFICATIONS

1. IBM Data Science Professional Certificate
2. Using Python to Access Web Data, University of Michigan
3. Develop Natural Language Processing Solutions with Azure AI Services, Microsoft Azure

ACTIVITIES

- Core Committee Member for Blossoms 2024 Annual Inter-Deanery College Fest
- Active member of college photography and media committee.
- Active member of the media team of our Department of Statistics and Data Science.
- Active volunteer of the decor team and the media team of the School of Sciences in Blossoms '24- the annual inter school fest
- Active member of the media committee and the magazine committee of Expectations 23 - the annual inter college fest organized by the Department of Statistics and Data Science
- Won the second place in the Battle of Bands (Indian) in the intra school (School of Sciences) competition in Blossoms 24

ACHIEVEMENTS

BEST PAPER AWARD
OPTIMIZING HEALTHCARE: ENHANCING DISEASE MANAGEMENT WITH RECOMMENDATION SYSTEMS
has been awarded the "Best Paper" award at The 2024 Fifth International Symposium on Signal and Image Processing (ISSIP 2024)
March 2024

KSP HACKATHON Shortlisted for final prototype phase in Karnataka State Police Datathon 2024 for crime predictive analysis project
March 2024

OTHER ACHIEVEMENTS
- 2020 Inspire Scholarship for Top 1% performance in Boards in India
- First in Data Relay competition organised by the Department of Statistics and Data Science, Christ University, Bangalore.
- First in Data Science quiz in the annual fest Datagram 6.0 conducted by St Joseph's University, Bangalore.
- Secured the second position in the national photography contest organized by Christ University Delhi NCR.
- Secured the first position in AI hackathon organised by Ramakrishna Mission Vivekananda Educational and Research Institute (RMKVERI), West Bengal.
- Secured the first position in Wordspire- short essay competition organised by Ramakrishna Mission Vivekananda Educational and Research Institute (RMKVERI), West Bengal.