Rajit Banerjee

rajitbanerjee**.com** | **linkedin**: rajitbanerjee | **github**: rajitbanerjee | rajit.banerjee**@**ucdconnect**.ie** | **Dublin**, Ireland

EDUCATION

University College Dublin   Dublin, Ireland
BSc (Hons.) Computer Science with Data Science   *Sep. 2018 – Jun. 2022 (Expected)*

- **GPA:** 4.16/4.20 (First Class Honours)
- **Coursework:** Data Structures, Algorithms, Programming for Big Data, Databases & Information Systems, Introduction to AI, Software Engineering I & II, Linear Algebra II, Business Analytics, Social Entrepreneurship
- **Honours and Awards:** UCD Ad Astra Academic Scholarship, UCD Global Undergraduate Scholarship, BSc Computer Science Scholarship (Stage 2, Stage 3), Insight Centre Research Scholarship, UCD Embark Award

TECHNICAL SKILLS

Development: Python, Java, Go, Linux/Shell, HTML/CSS, C, Scheme (Racket)
Databases & Big Data: MySQL, MongoDB, Apache Spark
Tools: Git, Docker, Agile (Scrum, Kanban), Neovim, VS Code, IntelliJ IDEA, LaTeX, Tableau

Certificates: Virtual Internships (KPMG (Data Analytics), JPMorgan Chase & Co. (Software Engineering)), Kaggle (Advanced SQL, Intro to Machine Learning, Data Visualization), HackerRank (Rest API, Python, Java)

WORK EXPERIENCE

Amazon Web Services   Dublin, Ireland
Software Development Engineer Intern   *Mar. 2021 – Present*

- Intern in the AWS Enterprise Engineering department.

Insight SFI Research Centre for Data Analytics   Dublin, Ireland
Research Intern | *Python, OpenCV, Docker, Bash*   *Jun. – Aug. 2020*

- Project (human body pose estimation): Performed experiments with multiple pose estimation models to estimate the body keypoints of novice athletes (runners) using pre-recorded input videos.
- Designed Bash scripts and Docker containers to automate video processing on a remote server.
- Analysed time-series data and computed a variety of body pose angles from video frames to assist runners with maintaining optimal form and posture.

PRM Fincon Services Pvt. Ltd.   Kolkata, India
Python Development Intern | *Python, OpenCV, Tesseract OCR, Camelot*   *Jun. – Aug. 2019*

- Project (data extraction from financial reports): Refactored and optimised code to extract tabular data (balance sheets, income statements) by applying various image processing techniques to PDF pages.

PROJECTS

Scripts | *Python, Bash*   *Jul. 2020 – Present*

- A collection of Bash and Python scripts to simplify a variety of day-to-day tasks, including merging, encrypting, modifying PDFs; quick installations for utilities; shortcuts for common terminal commands, and so on.

Scrabble | *Java, JavaFX, JUnit, Scrum*   *Jan. – May 2020*

- Designed the game logic, GUI and bot, in a team of 3, using Java , JavaFX (GUI) and JUnit (testing).
- Followed Agile (Scrum) methodology, acting as the Scrum Master for multiple sprints.

EXTRACURRICULAR

- **Student Ambassador**: UCD spokesperson, representative and point of contact for prospective students.
- **Class Representative**: elected representative to the UCD Students' Union for Computer Science students.
- **Computer Science Peer Mentor**: advisor to 10 first-year Computer Science students.
- **CS Sparks**: coding workshop facilitator for students from DEIS schools in their Transition Year.
- **Photography**: keen interest in nature, street and event photography; active member of Photography Club.