

SHIV BHATIA (he/him)

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EDUCATION

Imperial College London [2020-2024]:
Mathematics and Computer Science MEng
The Shri Ram School, Moulisari [2016-20]:
IB (44/45), class rank 1

EXPERIENCE

Microsoft (Enfield, London) [Jun – Sep 2022]

Software Engineering Intern
Full stack development with React, Typescript, and Java

OfficeHours [Mar – Aug 2020]

Co-founder, lead front-end developer using React.js
Built a platform for educators to hold virtual office hours, partnerships with major universities in the US (Yale, UC Berkeley etc.)
Raised \$100k from Open Water Accelerator

NTT Data (Chennai) [Jan – Jul 2019]

Data Science and Machine Learning Intern
Co-authored paper on reinforcement learning algorithms in physical simulations

Computer Science Society [Mar 2018 – Mar 2020]

Lead instructor, taught weekly classes at my school to younger students.

PROJECTS

WACC [Jan – Mar 2022] (Scala)

Built a compiler from scratch for the WACC language

Pintos [Sep – Dec 2021] (C)

Extended the Pintos operating system with threads and user programs

ARM11 Assembler and Emulator [May – Jun 2021] (C)

Implemented a subset of the ARM11 instruction set

MetaWord2Vec [Nov 2020] (Python, Pytorch)

A word-vector embedding trained on 'The Metamorphosis' by Kafka
Neural network architecture to capture contextual information in language

OpenAI GYM Rubik's Cube [March – May 2020] (Python, TensorFlow)

Built a Rubik's Cube simulation in pure Python

SKILLS

[Languages]: Python, Javascript/Typescript, Rust, C, Java, Haskell, Scala

[Frameworks]: React.js, Django, TensorFlow, PyTorch

AWARDS

G-Research Prize 2022

Awarded to top ten non final year students in the Computing department

Dean's List (Second Year) 2022

Awarded to top 10% of the year

Exun Build Hackathon 2020

Gold Medal, Special Mention
Developed Auxillium, an AI-powered mental illness diagnosis chatbot