**SAHIL MAKWANE**

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**EDUCATION**

**NEW YORK UNIVERSITY, Tandon School of Engineering,** GPA: 3.56 *New York, NY*

*Master of Science in Computer Engineering Expected May 2022*

**AMITY UNIVERSITY,** CGPA: 7.81/10 *Uttar Pradesh, India*

*Bachelor of Technology in Computer Science & Engineering – 3 Continent Program May 2020*

* Study Abroad: Birkbeck University (London, UK, *Jan - Mar 2019*) & Adelphi University, NY, *Apr - Jun 2019*)
* First Division, Bronze medalist in academics

**SKILLS**

**Advanced**: Python, C/C++, C#.NET, Java, JavaScript, SQL, Angular, React, Bootstrap, HTML5/CSS, Sass, Bit Bucket, Git, Unix, Jupyter Notebook, Visual Studios

**Familiar:** Rest API, MongoDB, Scrum, Internet Architecture, Machine Learning, Distributed Systems, Numerical Methods and Optimization, Software Engineering Fundamentals, Operating Systems, Unit Testing, Power Bi, Tableau, Azure DevOps, Docker, Android Studios

**EXPERIENCE**

**MICRON TECHNOLOGY** *Boise, ID*

*Software Development Engineer Intern**Jun 2021 – Aug 2021*

* Spearheaded development & design of UI, API, database for Defects Per Million (DPM) Simulation project using Angular, Bootstrap, C#.NET, Tableau, Agile methodology, and MS SQL Server. Lead collaboration with Data Science team in Singapore for the project which generated $7.8 million in ROI
* Enhanced Global Workforce Platform (GWP) service-request handling performance by 30% by optimizing the legacy codebase. Upgraded production databases for 7 global Micron sites. Performed unit-testing for the feature
* Streamlined technical documentation and reduced onboarding time for new hires by 50%

**MACK Studios** *New Delhi, India*

*Full Stack Developer**Mar 2018 – Mar 2020*

* Increased revenue by 10% within first 12 months. Designed and developed websites, graphics, and templates using React, Bootstrap, HTML/CSS, Illustrator & Photoshop for customers, achieved 100% client retention and satisfaction
* Overhauled website codebases for clients, prioritized mobile-first development & sped up websites by 2x
* Remodelled company website and graphics. Improved UX by increasing loading speed by 34%

**DREXEL UNIVERSITY, A.J. Drexel Autism Institute** *Philadelphia, PA*

*Front End Developer, Team Leader May 2019 – Jul 2019*

* Engineered website with mobile-first design, 2x faster than legacy website, as well as created new UX components
* Lead CS team of Amity University students in collaboration with business students from Drexel University
* Supervised creation of database for the website and delegated tasks, implemented Scrum methodology

**HACKATHONS**

**3rd prize – THEGLOBALHACK COVID-19 Hackathon (Crisis Response Track)** *Online, Apr 2020*

* Programmed frontend architecture and visualization dashboard for UV-rays IoT sensor for disinfecting hospital rooms alongside a demonstration video using Angular, Bootstrap, JavaScript and After Effects

**Samsung prize – MIT GRANDHACK 2019 (Hacking Medicine) Hackathon** *Boston, MA, May 2019*

* Reduced time to assistance and improved privacy by designing a mobile-application as well as a business plan to help US Veterans with mental health issues, using Java, Android Studios, Samsung Knox, Framer and Photoshop

**PROJECTS**

**Pathfinding & Sorting Algorithm Visual Application** *2020*

* Developed two applications visually demonstrating path-finding algorithms (Dijkstra’s, A\*, Depth/Breadth-First Search, etc.) and sorting algorithms (merge/heap/quick/bubble sort) using React, JavaScript & HTML/CSS

**Covid-19 Global Monitoring Application** *2019*

* Built two tracker apps for monitoring Covid-19 cases, deaths and recoveries country-wise using React, Gatsby, Leaflet & Java Spring Boot, fetched live data using API from Johns Hopkins database

**LEADERSHIP**

**ALFAAZ, Literary and Debate Society (Amity University)** *Oct 2016 – Nov 2018  
Secretary General*

* Lead freshmen year debaters, organized competitions, delegated tasks/roles and, oversaw graphics-design team