Aayush **Sachdev**

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Passionate about computer science, I'm interested in Software development and UX Design. I love to learn new technologies and my diverse interests informs the cross-disciplinary approach that I apply to every solution I develop.

Experience

GENERAL ELECTRIC - DIGITAL *Bangalore, IN.*
WEB SOFTWARE ENGINEER *Feb. 2020 - Present*

- Designing and developing **two web cybersecurity products** for Cloud agnostic infrastructure.

CERNER CORPORATION *Bangalore, IN.*
SOFTWARE ENGINEER *Jan. 2019 - Feb. 2020*

- Developed the front-end infrastructure in **ReactJS, Redux ecosystem**. Implemented the front-end module which interacts with the **Ruby engine** to call **Java** services.
- As an Intern, developed a **pluggable & configurable Jenkins** automation tool for **Dev-ops automation** which is used by **150+ Developers.**

DOCDUC INC.
FRONTEND ENGINEER *Oct. 2018 - Jun. 2019*

- Developed a Healthcare **web product** to enable smarter communication between patients and Physicians targeting **U.S. market**.
- Implemented **User interface** mockups, developed the front end Application in **ReactJS, JavaScript ecosystem.**

ERONKAN TECHNOLOGIES *Bangalore, IN.*
SOFTWARE ENGINEERING INTERN *May 2018 - July 2018*

- Worked on **IOT platform** & dashboards used for industrial automation services by the clients- **NodeJs, Express, MongoDB, Raspberry Pi**.
- Developed the Barca platform, to get insights into **operational metrics** like production efficiency, data aggregation for analysis used to improve machine operations.

KALPKRITI INC. *Bangalore, IN.*
SOFTWARE DEVELOPMENT ENGINEER INTERN *May 2017 - July 2017*

- Worked on Cross platform development in **C++** using **cocos2d-x Platform**
- Designed & developed algorithms for better user interaction, implemented gestures- Zoom, Pan and Pinch in the animation based product.
- Implemented the **key frames, project saving and retrieving algorithm** to **enhance the usability** of the product

EMACHINERY *MUTBI Startup, Manipal, IN.*
UI/UX DEVELOPER *Jan 2016 - July 2016*

- Designed and developed the **web application**, an e-commerce platform for trading used Machine parts. Led a team of **10+ members.**

Education

Manipal Institute of Technology *Manipal, IN*
B.Tech Computer Science and Engineering *2015- 2019*

- **Minor Specialization** in *Intelligent Systems*- Artificial intelligence, Machine learning, Natural Language Processing, Social Network analysis.

Skills

Programming	C, C++, JavaScript, Java, Python
Industry Software Skills	ReactJS, Redux, Jest, Enzyme, WDIO, NodeJS, Express, Jenkins, MySQL, HTML5, CSS3, Bootstrap, Responsive design, RESTful APIs, UI Design
General	Object oriented programming, Data structures and Algorithms, Databases, Operating systems, Artificial Intelligence, Image Processing, Machine learning

Projects

- **Polygon**: **Real estate & Student accommodation project targeting U.K Market.** Designed and developed the application with dashboard and Store, along with three other members who wrote the back end architecture- JavaScript, ReactJS, NodeJS, Open source.
- **Genetic Algorithm Web-application** for Travelling Salesman Problem using **JavaScript**. Applied Genetic Algorithm to solve and visualize the Problem.
- **Technical Writing**: **Interpolation Search Algorithm**. Wrote the algorithm article which got featured in **Geeks for Geeks**.
- **E-Healthe**: Healthcare made Easy- **ReactJS, NodeJS, Express, MongoDB**. Web application for managing patient's health and billing information. Wrote **REST APIs** for all operations with no-sql database storage.
- **SLCMX**: College Student lifecycle System- **HTML5, CSS3, BootStrap, MySQL, JavaScript**. Student management Web application with CRUD operation functionality.

Extra curricular & Position of Responsibility

- **Head of Design** TechTatva'17 and Revels'18 National level fests of M.I.T. Manipal, recieving participation of **more than 2000 students.**
- **Co-founded** E-commerce **Startup EMACHINERY.IN** in my first undergrad year(2015). Got incubation under **MUTBI, Manipal University**.
- **Organizer**, TechGig Code Gladiators Event, which formed the **Guinness World Record** for Biggest programming Event. (Bangalore, June'17)
- **Member** of Official CS club, **organized** online and offline programming contests, workshops on **Programming, Development and Design**.
- **Among top 5 University Finalists** for **Stanford Health++** Hackathon for Global Health.