# Vedant Chourasia

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B.Tech - Mechanical Engineering
Indian Institute of Technology, Guwahati

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## EDUCATION

| Degree/Certificate | Institute/Board | CGPA/Percentage | Year |
|---|---|---|---|
| B.Tech. Major | Indian Institute of Technology, Guwahati | 7.90 | 2019 - 2023 |
| Senior Secondary | Central Board of Secondary Education | 86% | 2018 |
| Secondary | Central Board of Secondary Education | 10.0 | 2016 |

## EXPERIENCE

- **Walmart Global Technology Services India**                    *Jul 2023 - Present*
  *Software Developer 2*
  - **Retail App Development:** Developed new screens for the retail app tailored to T-Mobile carrier requirements, including a One-Time Password feature, implemented in React Native and integrated with backend services.
  - **Comprehensive Testing:** Ensured high code quality and reliability by writing and maintaining unit tests in Jest for frontend components.
  - **CI/CD Onboarding:** Successfully onboarded 12 backend microservices to a common CI/CD framework, utilizing a deep understanding of previous workflows in Looper and Concord.
  - **Enhanced Splunk Monitoring:** Improved and created advanced Splunk alerts for both retail online platforms and backend microservices, ensuring proactive issue detection and resolution.
  - **Verizon Plan Updates:** Played a key role in frequently updating critical plan information on Walmart.com to meet business requirements, ensuring accuracy and enhancing user experience.
- **Rhizobee Innovations Private Limited**                    *Jun 2022 - Aug 2022*
  *Technical Intern as Python Developer*                    *Acknowledgement*
  - Fabricated Human avatars with given specifications & extended them to auto-generate avatars with **Python**.
  - Worked with **Makehuman**, an open-source tool, and exported virtual human objects in form of OBJ.
  - Gained knowledge about standard mesh model and its usage through the **Wavefront OBJ** format for 3D meshes.

## PROJECTS

- **GPU Accelerated Solvers for Linear Equation**                    *Sep 2021 - Apr 2023*
  *Guided by- Prof Atul K. Soti, IIT Guwahati*                    *bit.ly/3Rnn2Pb*
  - Worked on **numerical optimization techniques** for linear algebraic equation in 2D using **CUDA Programming** and analyzing the time difference from running code on host as well as on device.
  - Reduced the time to solve the heat equation from **90 minutes** on the host to **60.2 seconds** in the device for 0.1 million iterations (total 2000 variables taken) using **Parallel Computing**.
- **Elections' Portal**                    *Mar 2022 - May 2022*
  *Students' Web Committee, IIT Guwahati*                    *bit.ly/3e4lrjr*
  - Developed a portal for conducting transparent Students' Gymkhana Elections 2022, which served **4050+** users.
  - The ballots were securely transacted and stored on **Ethereum** based Rinkbey test network.
  - Worked on **Database design** and back-end of the portal using **PostgreSQL** and **Django Rest Framework**.

## TECHNICAL SKILLS

- **Programming :** C/C++, Python, JavaScript
- **Web technologies :** HTML, CSS, Bootstrap, Django-Drf, Express.js, Node.js, ReactJs
- **Database Management :** MySQL, MongoDB
- **Miscellaneous :** Web Scrapping, Git, NumPy, pandas, jQuery, AJAX

## ACHIEVEMENTS

- **Google Kickstart Round D 2022**, Secured **1149** Global Rank among **9000+** participants.
- **CodeChef Starters 10 Division 3**, Secured **147** Global Rank among **10600+** participants.
- **LeetCode Biweekly Contest 79**, Secured **779** Global Rank among **20000+** participants.
- **Coding**, LeetCode Max Rating **1853**, **4 star** on CodeChef with Max Rating **1800**.

## KEY COURSES TAKEN

- Introduction to Computing (Theory and lab)
- Competitive Programming (Coding Ninjas)
- Data Structures and Algorithms in C/C++ (Udemy)
- Database Management System (Coding Ninjas)

## POSITIONS OF RESPONSIBILITY

- **Backend Lead**, Students' Web Committee, IIT Guwahati                    *May 2022 - May 2023*
  - Successfully lead the backend team and ensured the smooth functioning and maintenance of products developed by SWC, like the **COVID-19 Vaccination Portal**, which facilitated the traffic of **8000+** users.
  - Fabricated the Database design of the **Placement portal** for the college.