

Ashutosh Kumar

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Professional Experience

- Product Development Intern** **Intellimation Market Services Limited** **Nov 2020 – Present**
- Reduced input process **running time** of the product by **40%**.
 - Designed and implemented **image processing** feature of the product.
- Software Engineering Intern** **JP Morgan Chase & Co.** **May 2020 – Jun 2020**
- Extraction of **financial data feeds**, front end **web development** and data visualization with perspective.
 - Redesigned **data visualization charts** as an automated product and updates with new data.
- Software Engineering Intern** **Symbiosis Institute of Geoinformatics** **Oct 2018 – Nov 2019**
- Objective : Determine **satellite images** of areas in India and monitor their situation for drought.
 - Created web based application for **visualization** of satellite images and map the areas effected by drought.
 - Funding : Department of Science and Technology (DST), **Government of India**.
- Teaching Assistant** **Symbiosis International (Deemed University)** **Jun 2017 – Dec 2018**
- Courses : Advanced Java, Digital Electronics, Computer Organization and Architecture, C.
 - Promoted to mentor in December 2018 for **Mentor-Mentee** program ; led meetings and designed road map for mentor program. Management of different teams for mentorship program.
- Web Developer, Intern** **Tara Mobile Creches (NGO)** **Nov 2017 – Mar 2018**
- Automated the **attendance management** of employees by developing QR-Code based attendance system.
 - Built website for **effective management** of monthly data and **improved** attendance management by **75%**.

Education

- Master of Science (Computer Applications)** **May 2019 – Present**
Symbiosis International (Deemed University) Pune, India **9.24 CGPA (ongoing)**
- Coursework : Software Project Management; Software Architecture; Algorithms; Data Mining; Big Data; Cloud Programming, NoSQL, Object Oriented Analysis and Design.
- Bachelor of Computer Applications - Gold Medalist** **July 2016 – May 2019**
Symbiosis International (Deemed University) Pune, India **9.20 CGPA**
- Coursework : Operating Systems; Databases; Algorithms; Programming Languages; Comp. Architecture; Computer Networks; Advanced Statistics; Android Development & Minor in Game Development

Projects

- **Personal Website** : <https://ashutoshkumar.tech/> (for additional information and projects)
- **Boot Time Reduction in Cloud Computing** (2019 - 2020) : Research involved understanding complexities of boot time. Improving upon the boot time by reduction of processes.
- **Alumnite Connect** (2018 – 2019) : Alumni Portal to help educational institutions manage all the relevant data with effective management techniques. Android, PHP, XML, JSON, AJAX & Java.
- **ODS to CSV Parser** (2017 – 2018) : Developed a file conversion system using C for converting ODS file to CSV. Developed XML parser for extracting data.

Awards and Recognition

- **Best Emerging IEEE Student Branch of the year 2019 India** : Headed IEEE Student Branch and led it to win emerging student branch of the year (2019) in India out of 12 sections and 600+ student branch across the country.
- **Student Chair of the year 2019 IEEE Pune Section** : Awarded as the Student Chair of the year (2019) out of 38 student branch in IEEE Pune section.

Languages and Technologies

- C, Java, Python, SQL, NoSQL, JavaScript, PHP, Android & Apache Spark
- Visual Studio Code, JetBrains IDE, Eclipse, Blender, Git, Drupal & Wordpress