

GANESH BHAGWAT PATIL

402, Oshan Waves, near Cipla Foundation, Warje, Pune - 411058, Maharashtra, India.

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ACADEMIC QUALIFICATION

- Completed Bachelors of Engineering in Mechanical Engineering from Maharashtra Institute of Technology Pune, Savitribai Phule Pune University, June 2017 - May 2020. **CGPA:** 9.21/10
- Completed Diploma in Engineering from Government Polytechnic, Pune, June 2014-May 2017. **CGPA:** 91.2%

WORK EXPERIENCE

Software Engineer, HCL Technologies, Pune, India, October 2020 - Present

- Onboarded for Google project and currently working as an extended employee at Google.
- Developing Teamcenter server-side customizations and APIs in C++
- Worked on a project for Goodman, responsible for development of Data Migration Dashboard.
- Worked at HCL COE (Centre of Excellence) on development of new custom software solutions to optimize manufacturing processes.
- Worked on programming languages C++, Java, JavaScript and technologies including NodeJS, Angular, Siemens Web Framework, Active Workspace, H2DB.

Software Engineer Trainee, Alsia Technologies, Pune, India, November 2019 - September 2020

- Worked on a project to develop a custom solution and data model for Enovia based PLM solution.
- Worked on Java based technologies including J2EE, Spring MVC.

ACADEMIC PROJECTS & RESEARCH WORK

Research Title: Patent: Implementation of dynamic road Infrastructure as per run time requirement, May 2020-August 2020

Objective: Implement an effective way to maximize the utilization of present road infrastructure by optimizing uneven traffic density and thus reduce the traffic congestion at peak traffic prone official timings.

Application No - 202021030039

Project Title: 'SPPU Pointer Estimator' Web Application, March 2020-May 2020

Team Size: 2

Objective: To help students to estimate their results and help them manage and plan their academic course work effectively.

- This application has been live deployed and been used by more than thousand students
- Technologies used: Python, Django, HTML, CSS, JavaScript
- As a full stack developer, developed backed business logic with python
- Designed some of the UI components

INTERNSHIP

Intern, Automotive Research Association of India (ARAI), Pune , June 2018 - July 2018

Power Train Engineering Department of Electric Vehicles

Worked on electric vehicles powertrain, specifically on Body control module which is used to control the functions of electronic accessories.

TRAININGS & CERTIFICATIONS

- Certified in Linux Operating System, Udemy, December 2021
- Elements of Artificial Intelligence, University of Helsinki (2 credits), September 2021
- Certified in Advanced Google Analytics, Google Analytics Academy, September 2021
- Completed Agile & Scrum in Depth, Udemy, September 2021
- Obtained Complete NodeJS with express & socket, Udemy, August 2021
- Completed Ultimate Python Bootcamp for Data Science & Machine Learning, Udemy, August 2021
- Completed Machine learning to Deep Learning, by Indian Space Research Organization (ISRO), July 2021
- Certified in Advanced Data Structures, Udemy, July 2021
- Undertook a course on Graph Theory Algorithms, Udemy, July 2021
- Certified in MySQL Database Development Mastery, Udemy, June 2021
- Certified in Java – J2EE, JBK Institute, Pune, December 2019 – April 2020
- Completed Digital Manufacturing & Design, University at Buffalo, Coursera, April 2018
- Completed 3D Printing Revolution, University of Illinois at Urbana-Champaign, Coursera, August 2018

PUBLICATION

Published “Design of heat recovery device to elevate coefficient of performance of water cooler by circulating drain water” at International Research Journal of Engineering and Technology. The paper focuses on the design of a heat recovery device to effectively use the waste chilled water to precool the incoming water for commercial water coolers, July 2018

TECHNICAL SKILLS

- Programming Languages: Java, Python, C++
- Frameworks: Django, Spring Boot, Siemens Web Framework
- Databases: MySQL, H2
- Tools & Utilities: Visual Studio, MS Office

COCCURRICULAR ACTIVITIES

Project Title: Electric Two-Wheeler, Conducted by SAE, August 218-September 2019

Objective: To reduce traffic congestion by equalizing traffic density across both lanes

Team Size: 6

- Role: Founder and Captain of Team ‘Bolt’.
- Designed and manufactured in-house ‘Electric Two-Wheeler’
- Acquired an All India Rank 2 in National Level Competition organized by SAE, in 2019
- Responsible to implement features like lane departure assist, cruise control, auto indicators and lead the team.

ACHIEVEMENTS

- Secured 1st rank in State Level Technical Quiz Competition organized by Maharashtra State Board of Technical Education.
- Secured 1st rank in 2016, 3rd rank in 2017, 2nd rank in 2018 at COEP Mindsparks in Intelligent Design Competition.
- Secured 1st prize at MIT Texephyr 2019 in Programmer Pro.
- Secured 2nd rank in Paper Presentation Competition 2017 at Bharati Vidyapeeth Institute of Technology.

EXTRACURRICULAR ACTIVITIES

Volunteered ‘Nisarga Mahila Balkalyan V Krushi Vikas Sanstha’ NGO, February 2018-May 2020

Taught crucial curriculum topics including Mathematics, Science and Computer Fundamentals to the students.