

GAURAV KHATWANI

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EDUCATION

K.J. Somaiya College of Engineering, University of Mumbai, India	2018 – 2022
• Bachelor of Technology (BTech) Computer Engineering, CGPA: 9.62/10	
Smt. Chandibai Himathmal Mansukhani College, Thane, India	2016 – 2018
• HSC (Class 12), Percentage: 94.5%	
B. K. Birla Public School	2005 – 2016
• CBSE (Class 10), Percentage: 97%	

WORK EXPERIENCE

Associate Consultant, Microsoft	August 2022 - Present
Skills: C# .NET Angular MySQL Azure Services CI/CD WPF REST APIs SOAP APIs	
<ul style="list-style-type: none">Participated in refactoring majority of a project's codebase within 2 weeks, increasing the code quality rating by over 90% and ensuring code reusability.Developed 20 end-to-end APIs single-handedly using .NET Core and Azure services, incorporating best practices to ensure flexible and scalable code.Improved the automation framework for API testing, allowing the framework to run an average of 10 test cases at once as opposed to only a single test case at a time.Chosen as the Development Lead for a batch of interns at Microsoft, guiding them to build a 'Warehouse Management System'.	
Associate Consultant Intern, Microsoft	June 2021 - July 2021
Skills: C# .NET Vue.js Azure Services	
<ul style="list-style-type: none">Developed a learning portal for Microsoft employees using .NET Core, Vue.JS, and Azure Services.Utilized Azure services like Azure Active Directory for Multi-Factor Authentication and Azure App Service for hosting the website, with room for future scalability.	
Software Developer Intern, Arconnet	May 2020 - July 2020
Skills: Java Selenium Data Structures HTML CSS	
<ul style="list-style-type: none">Developed new automation scripts for the company's application in Java using the Selenium framework.Increased performance by 50% in the existing scripts by optimizing them using data structures.	

ACADEMIC PROJECTS

VisuallyPaired	December 2021 - May 2022
Skills: Flutter Firebase Python Deep Learning	
<ul style="list-style-type: none">Developed a mobile application using Flutter and Firebase to aid visually impaired individuals in calling, texting, calculating numbers, identifying Indian currency notes, and handling Twitter accounts.Trained a MobileNet based deep learning model for currency identification with accuracy of 87%. Improved the accuracy to 92% by using data augmentation techniques.Project link: https://github.com/gaurav148/visually_paired	
QTalk	August 2021 - September 2021
Skills: Flutter Firebase Machine Learning	
<ul style="list-style-type: none">Created a social chat application using Flutter and Firebase that allows signed-in users to chat by sending texts, GIFs, photos, and videos.The application censors the sent texts and images if the user is under 18 years old. Trained an image classification model with an accuracy of 97% to achieve this.Project link: https://github.com/gaurav148/QTalk	

Image Caption Generator

February 2021 - May 2021

Skills: Python | NLP | Deep Learning | HTML | CSS | JavaScript

- Developed a website that provides relevant captions for the inputted image using Natural Language Processing techniques and Deep Learning in Python.
- Project link: <https://github.com/gaurav148/Caption-Generator>

BookMyTurf

October 2020 - December 2020

Skills: Flutter | Firebase

- Developed a turf booking application using Flutter that allows turf owners to display their turfs and users to book their turf slots via the application.
- Project link: <https://github.com/gaurav148/BookMyTurf>

SkillGrader

February 2020 - May 2020

Skills: Node.js | Express.js | HTML | CSS | MySQL | JavaScript

- Developed an educational student-teacher website. Teachers can upload course materials, assignments, and grade submissions. Students can submit answers to earn grades, thus earning a course certificate.
- Project link : <https://github.com/gaurav148/SkillGrader>

PAPERS PRESENTED

ECG Paper Record Digitization and Diagnosis Using Deep Learning

July 2020 - September 2020

- Automated the diagnosis and analysis of ECG (electrocardiogram) paper records to predict heart-related problems using computer vision and deep learning in Python.
- Created multiple custom algorithms in the pre-processing stage to successfully extract ECG signals from the background, ensuring low noise and signal continuity, thus increasing the model accuracy from 82% to 94.4%.
- Link to the published paper: [ECG Digitization](#)

TECHNICAL SKILLS

Languages and Databases: C, C#, Python, Java, HTML, CSS, JavaScript, Dart, Firebase, MongoDB, MySQL

Tools and Framework: .NET, Flutter, Angular, React.js, Node.js, Azure Services, Flask, Django, OpenCV, Git, CI/CD, Google Cloud Platform

ACADEMIC ACHIEVEMENTS

- Secured 3rd position in the first year of undergraduate studies. **2018 - 2019**
- Achieved a position within the top 5% of my undergraduate class. **2018 - 2022**

LEADERSHIP & ACHIEVEMENTS

- Conducted knowledge transfer sessions as the '**Development Lead**' for newly hired interns at Microsoft, teaching them Azure services, data modeling, and writing APIs using three-layer architecture. **(2023)**
- Won an '**Innovation Catalyst**' award for my second project at Microsoft, for suggesting new ways to improve the framework. **(2023)**
- Captained the football team of 'K.J. Somaiya College of Engineering', winning **2 national level** football tournaments. **(2022)**
- Pioneered organizing inter-school spell bee competitions for around **50 underprivileged students** every year with the help of InnerWheel Club of Ambarnath, Thane. **(2019 - Present)**