

Saloni Kyal

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github.com/salonikyal

My major area of interest is Mobile and Web Application Development, however diverse opportunities that allow me to leverage my creativity and skills excites me. Being astute and industrious, I aim to gain international experience and implement my vision by incorporating new technologies in my work.

Work Experience

- Mar 2021 – Present** **Research Associate**
Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC), Italy
Developing web applications and their respective technical documentation for research projects mainly using React technologies.
- Oct 2020 – Mar 2021** **Researcher**
6 months *Politecnico Di Milano, Italy*
Worked as a software engineer in European Union research project ([Sodalite.eu](https://sodalite.eu)), mainly involved in managing a parsing component that parses file from JSON to TOSCA YAML using Python, Docker, Swagger REST API, and Ansible technologies, along with an active role in paper publication for the systematic literature of Sodalite
- Dec 2017 - Apr 2018** **Android Developer and Database Manager**
5 months *AdMyBin, India – Green Clean Media Works (Internship)*
Developed an app which manages waste in a smarter way by processing no. of people watching ads and waste level received from sensors installed in smart bins.
- Jul 2016 - Apr 2017** **Android Developer**
11 months *Campus Karma – Campus Social Networking Website of India (Internship)*
Developed a mobile app which can be used as a platform by university students to post blogs or share information about technical fests, hackathon, and cultural events.

Skills

Computer Proficiency*

*Involved in atleast one project using each of the mentioned skills. Proficiency level is color-coded.

- **Programming Languages**

Java	HTML	CSS	JavaScript
Rest API	XML	JSON	Python
Typescript	jQuery	PHP	WebGL

- **Tools/Platforms**

Android Studio	Visual Studio	Eclipse
IntelliJ IDEA	Latex	Git
Flutter	Unity	Xampp

- **Technology acquaintance**

React	Agile/Scrum	App Development
Angular	Virtual Reality	Machine Learning
Artificial Intelligence	Computer Graphics	Model Identification

Soft Skills: Collaboration, Leadership, Creativity, Organized, Patience.

Education

- 2018 – 2020 Master of Science in Computer Science & Engineering
Politecnico Di Milano – Milan, Italy
- Thesis: *Mobile Application Development: Analysis of Application Types & Tools*
Supervisor: Prof. Elisabetta Di Nitto [\[PDF\]](#)
 - Score: 95/110
- 2014 – 2018 Bachelor of Technology in Computer Science & Engineering
Techno India University, West Bengal – Kolkata, India
- CGPA: 9.43/10

Projects

- **Bumpy: Cycling Advocacy (Cyclist's Union of Croatia)**
Distributed software development project using Scrum
A mobile app to gather GNSS data from cyclists that identifies and report road issues to the backend for data analysis and storage in order to display road quality in a map over web and mobile interface.
- **VeRbal**
Virtual Reality game as an Android Application
A game for children to learn linguistic skills and accomplish picture matching and verbal training made using Unity(C#) and Google-VR SDK by applying eye-gazing technique on 3D models and live game streaming on a website with game-controls to be monitored by a guardian/teacher.
- **Drone Simulator**
Computer graphics project using HTML-5, WebGL, and 3D assets
A drone simulation game that controls the flight of the drone over the 3D landscape/terrain with keyboard controls implemented with different lightings and characterized by shaders.
- **Argentina Tourism (LA ARGENTINE TURISMO)**
Web Designing and Development using PHP and MySQL
Apart from all the usual features of a tourism website, to explore the tourist spots and accommodations, discover the modes of transportation and book them, the main attraction is the information of local events and weekly markets, and to get a virtual 360° tour of Argentina.

Achievements/Certifications

- **Team Leader** for a geographically distributed software development project- **Bumpy** using **scrum** method.
- **Volunteered** at Indian Association of Northern Italy for traditional Indian events.
- Certificate of Achievement for the **2nd prize in E-weekend Hackathon - Mozilla**.
- Certificate of Excellence for achieving the **3rd position in Hello Web Hackathon - Facebook**.
- **Web Development** using **PHP with MySQL** course completion at WebTek Labs, India.
- **Android Development** and **Advanced Java** course Completion at Blue Copper Technologies, India.
- Scored **AIR 294** in **IEO** (Indian Engineering Olympiad).
- Worked as an **Event Coordinator** of Vivarta- Tech Fest of TIU.
- Certificate of Participation in **Infocom Hackstars** Workshop.

Personal Information

Languages Known: English, Hindi, Bengali, and Italian (Learning)

Hobbies: Cooking, dancing, travelling, introspecting