Prerna Khanna

CONTACT INFORMATION	EC-87, Maya Enclave Hari Nagar New Delhi - 110064 INDIA Phone No. : +91 9711451453 e-mail id : prerna.khanna97@gmail.com Website : https://bit.ly/KhannaPrerna GitHub : https://github.com/prerna-khanna
RESEARCH INTERESTS	Mobile Computing, Signal Processing, Robotics, Machine Learning
EDUCATION	Bharati Vidyapeeth;s College of Engineering, 2016 - 2020 New Delhi, India B.Tech. in Instrumentation and Control Engineering CGPA : 8.98 Loreto Convent School, New Delhi 12th C.B.S.E 92% 2016 Loreto Convent School, New Delhi 10th C.B.S.E CGPA : 10 2014
INTERNSHIPS AND INDUSTRY EXPERIENCE	**Researcher and Developer** Jul. 2017 − Present Endolite India Pvt. Ltd. Upper Extremity Prosthetic Limbs − PCB design and Software. **Research Intern** May 2018 − Oct. 2018 Celestini Project India, Marconi Society, IIT Delhi. Led by: Dr. Aakanksha Chowdhery (**Google AI**) and Dr. Brejesh Lall (**IIT Delhi**) **Trainee** Dec. 2016 − Jan. 2017 Minda Corporation, Noida
AWARDS	• **Paul Baran Young Scholars Celestini Prize India 2018** • **Winner of Project Exhibition Evotech 2.0**
LEADERSHIP EXPERIENCE	• Chapter Representative BVPIEEE 2017 − 2018 • Event Coordinator, Fervor Technovation 2018 • Head Quiz Club 2015 − 2016

TECHNICAL PROJECTS	• **Circuit and Software** for Upper Extremity Prosthetic	Ongoing
	• **"Air Cognizer"** Air Quality Analytics Application using Mobile Phone images	2018
	• **"Moonshine"** Breath analyzer	2018
	• **"Vision" IOT** based SONAR System	2018
	• **Haze Removal** using Dark Channel Prior in Python	2017
	• **Obstacle Avoider** using Edge Detection in Python	2017
	• **"WieAssist"** A women safety android application	2017
	• **CNC Machine** using Arduino and Stepper Motors	2016

TECHNICAL SKILLS	• JAVA, Python, MATLAB, Embedded C
	• Signal Processing, Computer Vision, Machine Learning
	• Android Development, PCB Designing
	• ATmega, Raspberry Pi, Arduino