

# ABHIMANYU (RAJ) SINGH *CHANDEL*

## PROFILE

I am a highly motivated and detail-oriented professional with a passion for advancing biodiversity conservation and addressing ecological challenges. Committed to applying innovative solutions, I seek to contribute meaningfully in areas such as Ecological Modelling, Terrestrial Ecology, Invasive Species Management, and Species Conservation. My goal is to leverage my skills as an Environmental Scientist or Spatial Ecologist to bring latest technology for biodiversity.

## SKILLS – Office and Field

### Science

Teaching/Training/Writing  
Species Id Skills/resilience plan  
Field work/data collection  
Manual Driving/4WD/Trailer

### Tech

Ecology Cloud Software testing  
Automation testing  
(Selenium/playwright)  
Spatial data analysis (GIS/R/py)  
Bug fixing Quarto/rmd/.pynb code  
Apple/Microsoft Ecosystems  
Google Earth/Geodatabases

### Admin

Conceptualist  
Problem Solving  
Research Design  
Team Management/JIRA  
Good Communication Skills  
Customer accountability and Hospitality

### Art & Fun

Photography/ Graphic designing  
Bird Watching  
Singer-songwriter  
Explorer/Climber/Hiker

## RECENT WORK EXPERIENCE.

2024 JAN - MAR 2025, **QCIF Sustainable Futures**, QLD , EcoCommons/BCCVL

- **Data Ecologist (Full time)**
- **Communication Officer & User Support**

2021 NOV - DEC 2023, **Griffith University**

Dept. **eResearch** & Specialised Advisory,  
Research and Data Foundations Brisbane, QLD.  
EcoCommons/BCCVL

- **Functional Ecology Analyst & User Support Training Officer (Full time)**
- **Functional Ecology Analyst (Casual)**
- **Student Data Ecology Analyst (Intern)**

Developing test cases, User training and Support, Testing features, spatial errors and technical development, admin assistance (Sprint Priority AGILE), Developing use cases for species of concern (State govt.s and Conferences), running tests climate scenarios and environmental datasets from multiple sources, Climate change projections, ecological modelling and virtual environments (R/python/Jupyter) experiments. Science communication and education. Provide supervision to research students and colleagues.

Scan to know what I was up to in last 3 years



2021 DEC – FEB 2022, **BUSH-IT** Sydney, NSW

- **Environmental Field Officer/ Bush Regenerator (Casual)**

Vegetation land planning, Site monitoring, Biodiversity asset maintenance, Assisted revegetation, Pre-burn prep, Water Sensitive Urban Design, Stormwater management, Species enrichment, Remote work, Environment rehabilitation, Ecological restoration, Endemic species, Invasive species, and Natural area management.

2020 AUG – APR 2021, **SITE ENVIRONMENTAL AND REMEDIATION SERVICES (SERS)**

Sydney, NSW

- **Environment Field Technician (Casual)**

Environmental monitoring equipment installation and maintenance. I drove to various remote sites in NSW regarding installation, maintaining and monitoring equipments, accounting environment pollution and disturbance, generating data for council reports and construction companies.

## EDUCATION

2020 – 22, **GRIFFITH UNIVERSITY**, Brisbane, QLD

MS Environment Science (Environment Protection and Climate Change Adaptation)

- Environment Management Systems, Economics, Pollution, Policymaking and Planning Climate Change Mitigation and Adaptations, Land Remediation and Rehabilitation, Conservation Research Design and Planning, **Ecological Modelling and Data Management as well as GIS and Remote Sensing**. Air Quality Monitoring and Control, Water and Wastewater treatment, Hazardous waste, and Solid waste management.

2015- 18, **IGNOU UNIVERSITY**, Delhi, Bhopal, India

Bachelor of Life Science – BS Zoology/Animal Biology

- Taxonomy, Evolution, Diversity, **Ecology**, Human Environment, Nutrition, Genetics, Cell Biology, Atoms and Molecules, Biochemistry, Developmental Biology, Animal Diversity.

PROJECT HIGHLIGHTS

Australia

Use cases for ACT/QLD/NSW Government  
User Training and Support Scientific  
Conferences/Symposium/Workshops  
Invasive species management/ Assisted  
native reforestation for NSW Government  
Seed Collection, soil-sapling and control  
burn prep for Lane Cove National Park  
Nursery  
Climate Dividend Awareness City of Ryde  
Sea bin Project/ Collecting micro-plastic  
data  
Moreton island micro plastic collection

USA

Monarch Butterfly Migration Tagging  
Horseshoe crab surveys

India

Seed Ball Program/ Urban conflict Tiger  
survey with MP Biodiversity Council  
Tiger and Vulture Census/ Reptile  
Workshop/ Plantation Drives/Tiger Stamp  
Painting Awareness/Wildlife Quiz  
Science Arts and Fun Mobile Edu Van

FIELD OF INTEREST

#Terrestrial\_Ecology #Invasive\_species  
#Zoology #Insect\_conservation  
#Pytoremediation #Land\_managemnet  
#Climate\_Change #Adaptation #Mitigation  
#Climate\_change\_ready\_vegetation  
#Ecological\_Restoration\_Technologies  
#EIA #PSI #BAM #BDAR  
#CPR #LCA #ESG #SDG #CSR #EHS  
#UAV #Bioacoustics #ENVI #LiDAR  
#Naturalist

CONTACT

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LinkedIn:



VOLUNTEER WORK EXPERIENCE

2022 JUNE – SEPT 2023, **Green Infrastructure and Research Labs (GIRLS)**,  
Sydney, NSW

• Ecology volunteer

Assisting PhD students designing experiments and ecological  
discussion, awareness interactions events, connecting with latest  
resources and technology.

2021 JUNE – DEC 2021, **SEA BIN**, Sydney, NSW

• Micro-plastic volunteer

Sorting sea bin collected waste and reporting Micro-plastic, Styrofoam’s,  
etc.

2021 APRIL – DEC 2021, **CLIMATE CITIZEN’S LOBBY**, Sydney, NSW

• Event volunteer

Community engagement volunteering, Tabling events, Climate dividend.

2020 JUNE – DEC 2021, **BUSH CARE, PARAMATTA COUNCIL**, Sydney, NSW

• Bushcare volunteer

Bush-care regeneration volunteer at Stanley Bush-care, Parramatta  
Council.

2020 FEB - APR 2020, **UPPER MOUNT GRAVATT BUSHCARE GROUP**,  
Brisbane City Council, QLD.

• Bushcare volunteer

To learn and identify local biodiversity. Picking invasive weed plants and  
litter and support native flora and fauna.

2020 FEB, **CLEAN UP AUSTRALIA LTD.**, QLD

• Student volunteer

Picking invasive weed plants and litter from beaches and hiking trails to  
support native flora and fauna.

PREVIOUS WORK EXPERIENCE

2020 NOV - 2021 JULY, **GARDENING4U**, Sydney, NSW

• Gardner (Casual)

Towing and machinery experience, Backyard, and lawn  
maintenances. Planting, designing, maintaining, hedging, lawn,  
pruning and weeding.

2020 OCT- 2021 MAR, **MAX BRENNER**, Sydney, NSW

• All-rounder

Chocolate Café and customer hospitality. Kitchen, Counter, Floor.  
All task of a team member.

